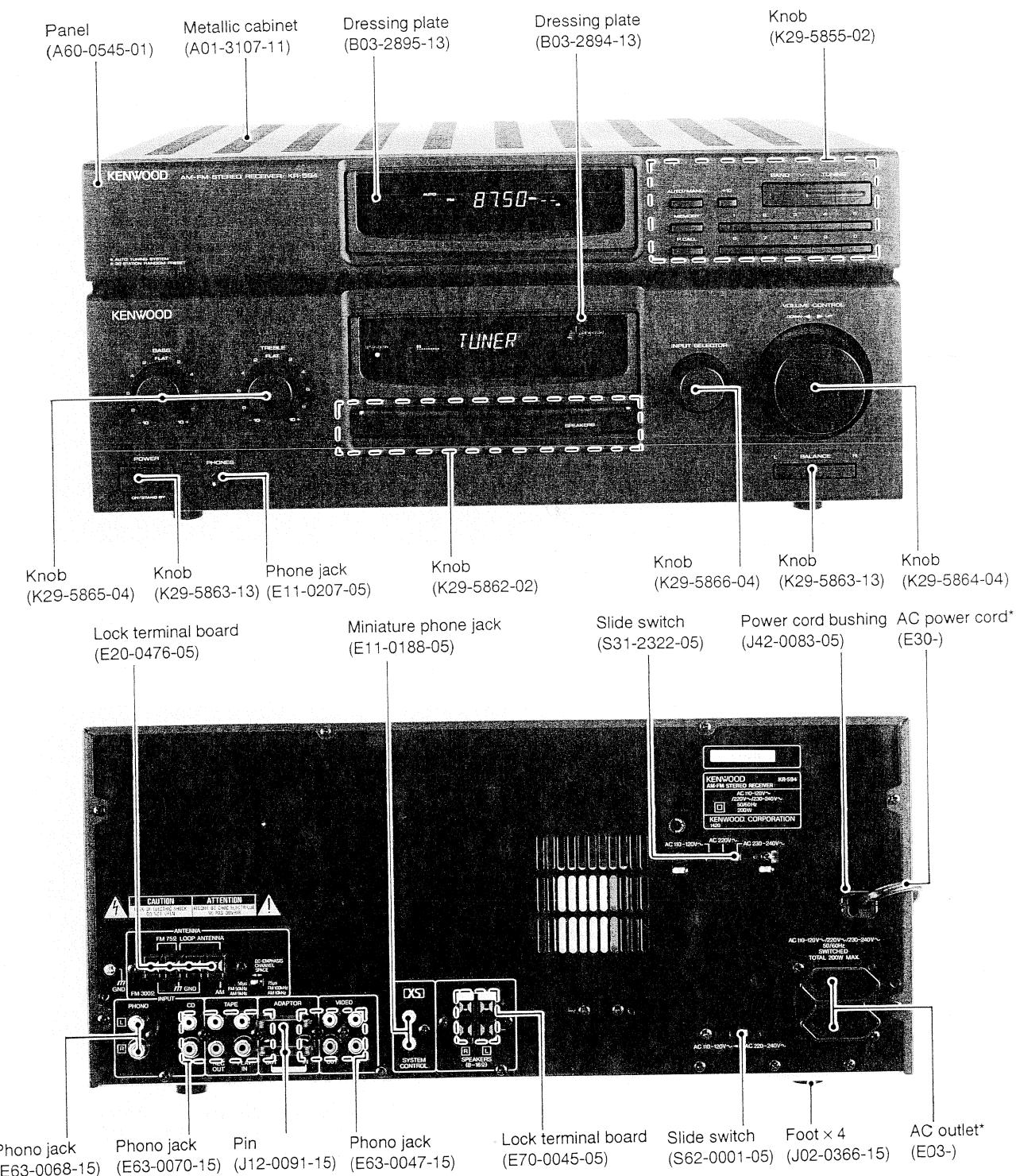


AUDIO-VIDEO STEREO RECEIVER  
**KR-594 / 794**  
 SERVICE MANUAL

**KENWOOD**

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 B51-4844-00(S) 2043

**KR-594**



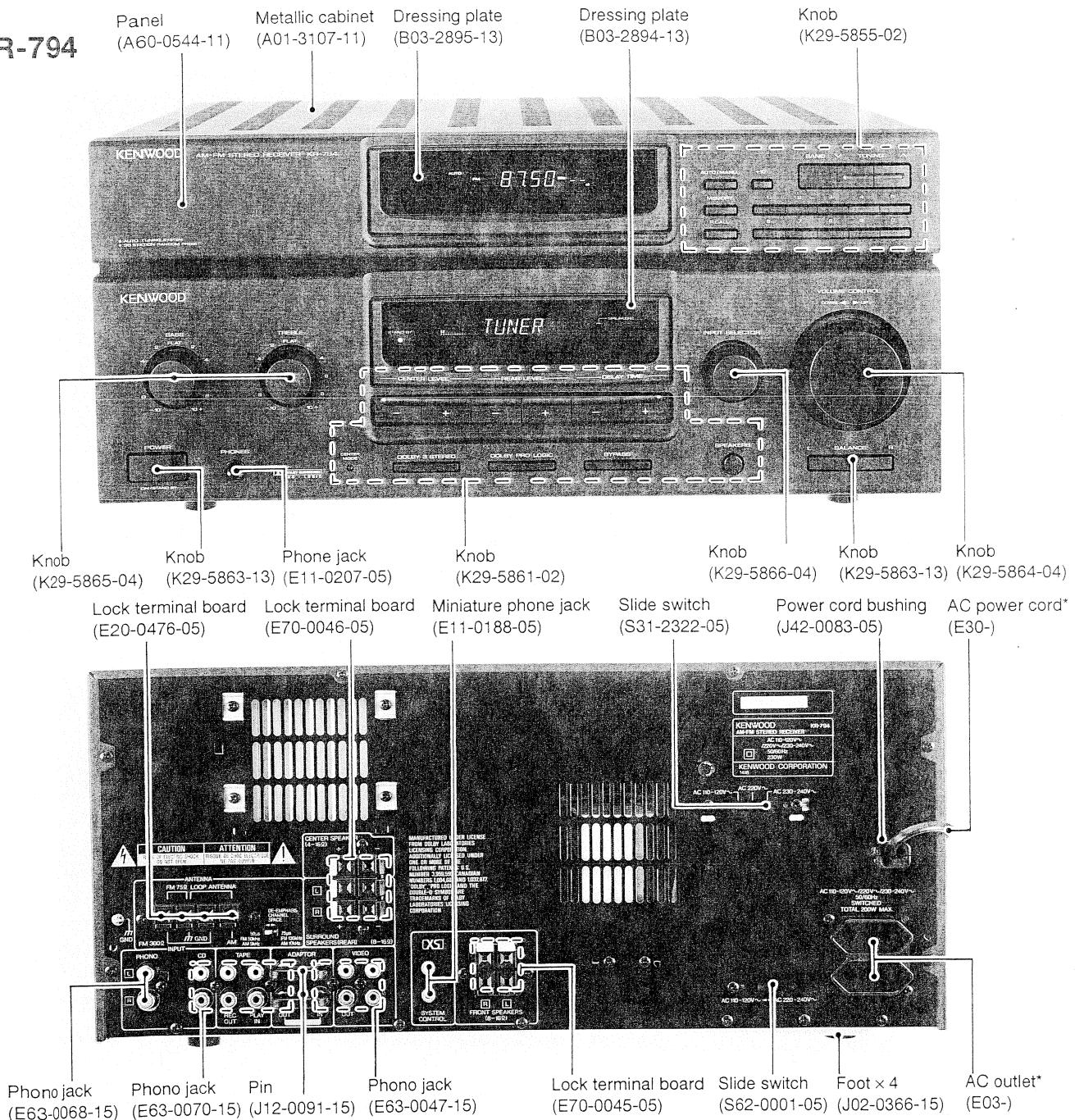
\*Refer to parts list on page 41.

# KR-594/794

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**KR-794**

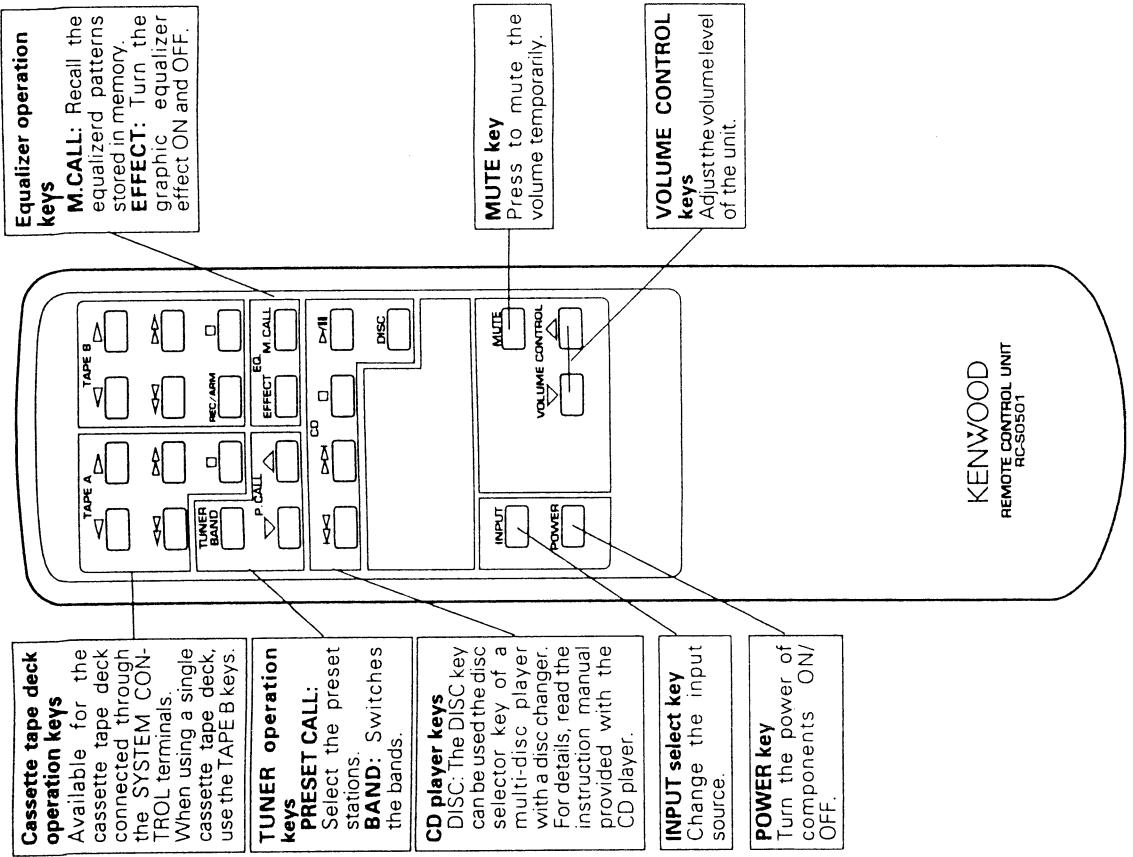


\*Refer to parts list on page 41.

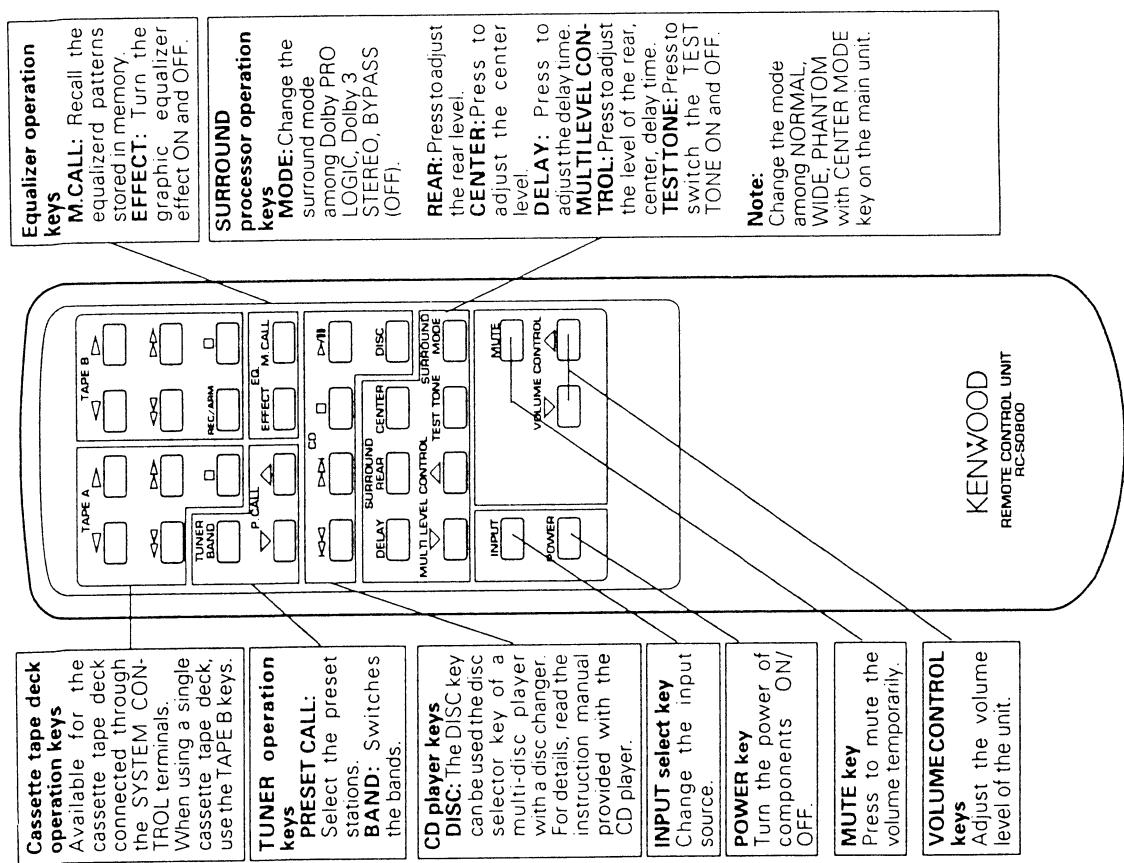
# KR-594/794

## REMOTE CONTROL UNIT

**KR-594**



**KR-794**

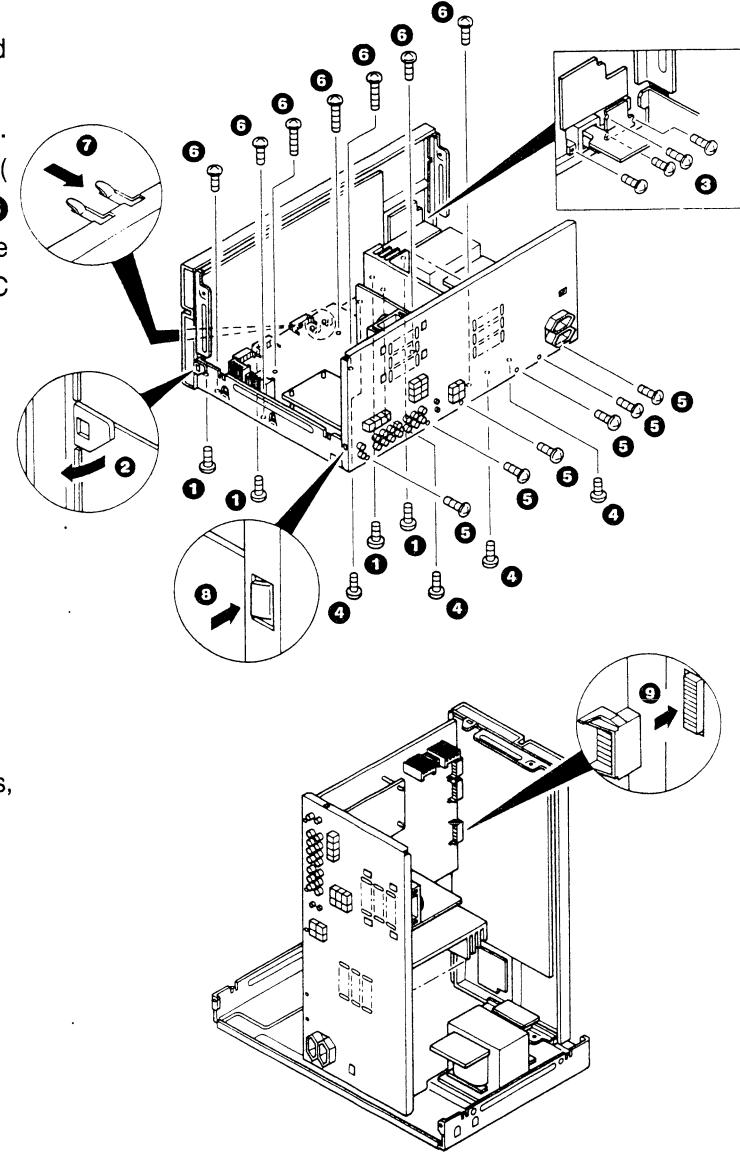


# KR-594/794

## DISASSEMBLY FOR REPAIR

### ① How to remove the front panel and main PC board.

- 1) Remove the 4 screws ( 1 ) from the bottom, and both hook ( 2 ), then remove the front panel.
- 2) Head phone is removed by removing 4 screws ( 3 ).
- 3) Remove the 4 screws ( 4 ) of the bottom, 6 screws ( 5 ) of the back side, 7 PCB attachment screws ( 6 ), and remove the bottom hook ( 7 ), both of the back side hooks ( 8 ), then remove the main PC board.

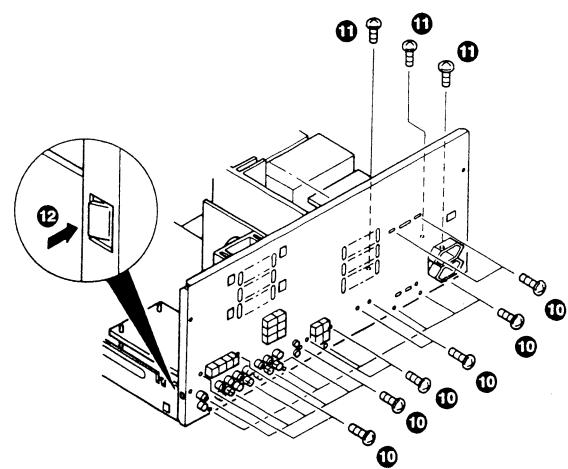


### When checking circuit continuity

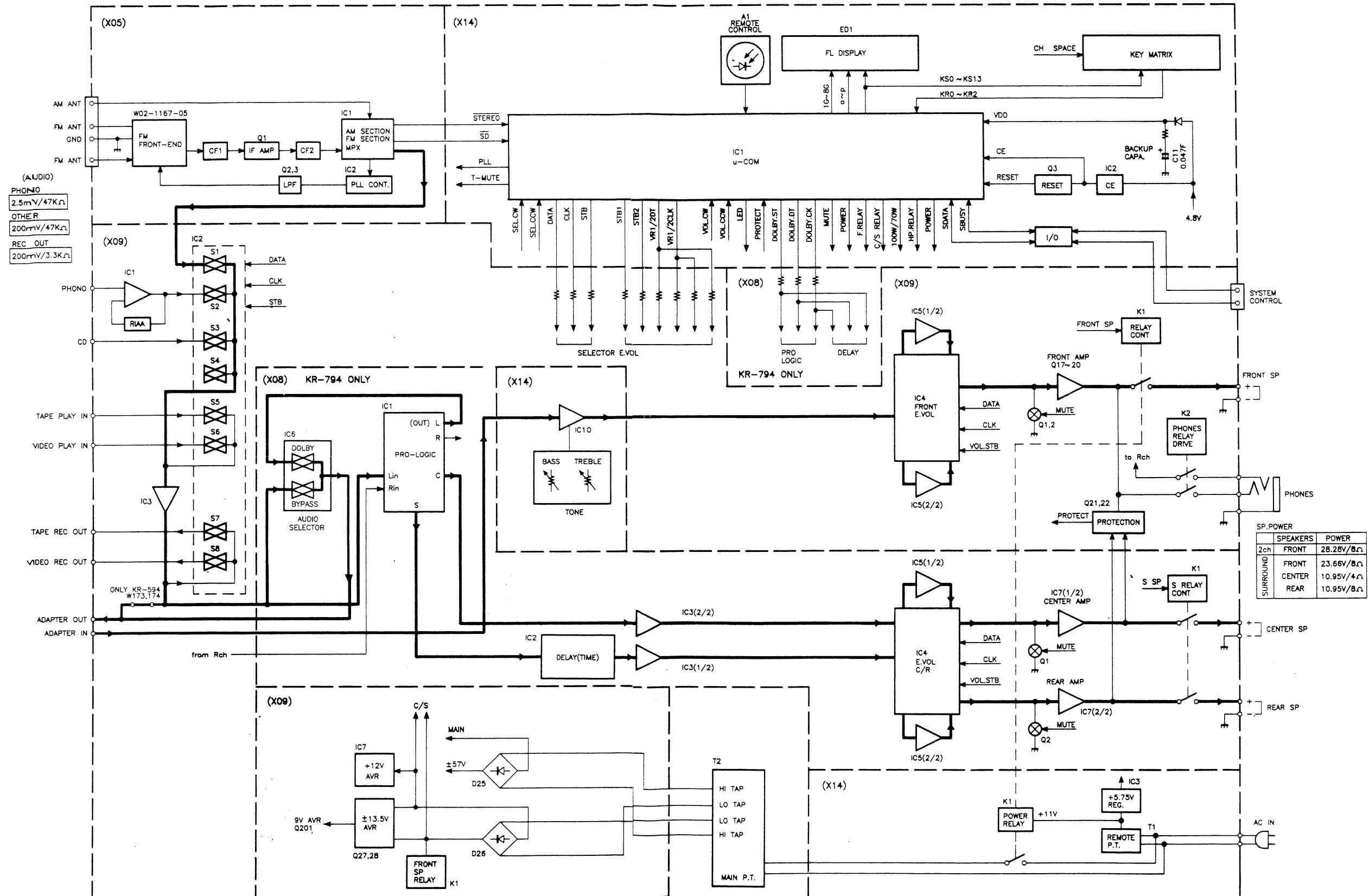
Connect the FL PCB and main PCB's 3 connectors, and assemble as shown in the figure.

### ② How to remove the DSP PC board.(KR-794 only)

- 1) Remove the 20 attachment screws ( 10 ) from rear panel, 2 hooks ( 12 ), and 3 screws ( 11 ) of remote trace PCB, then remove the DSP PCB.



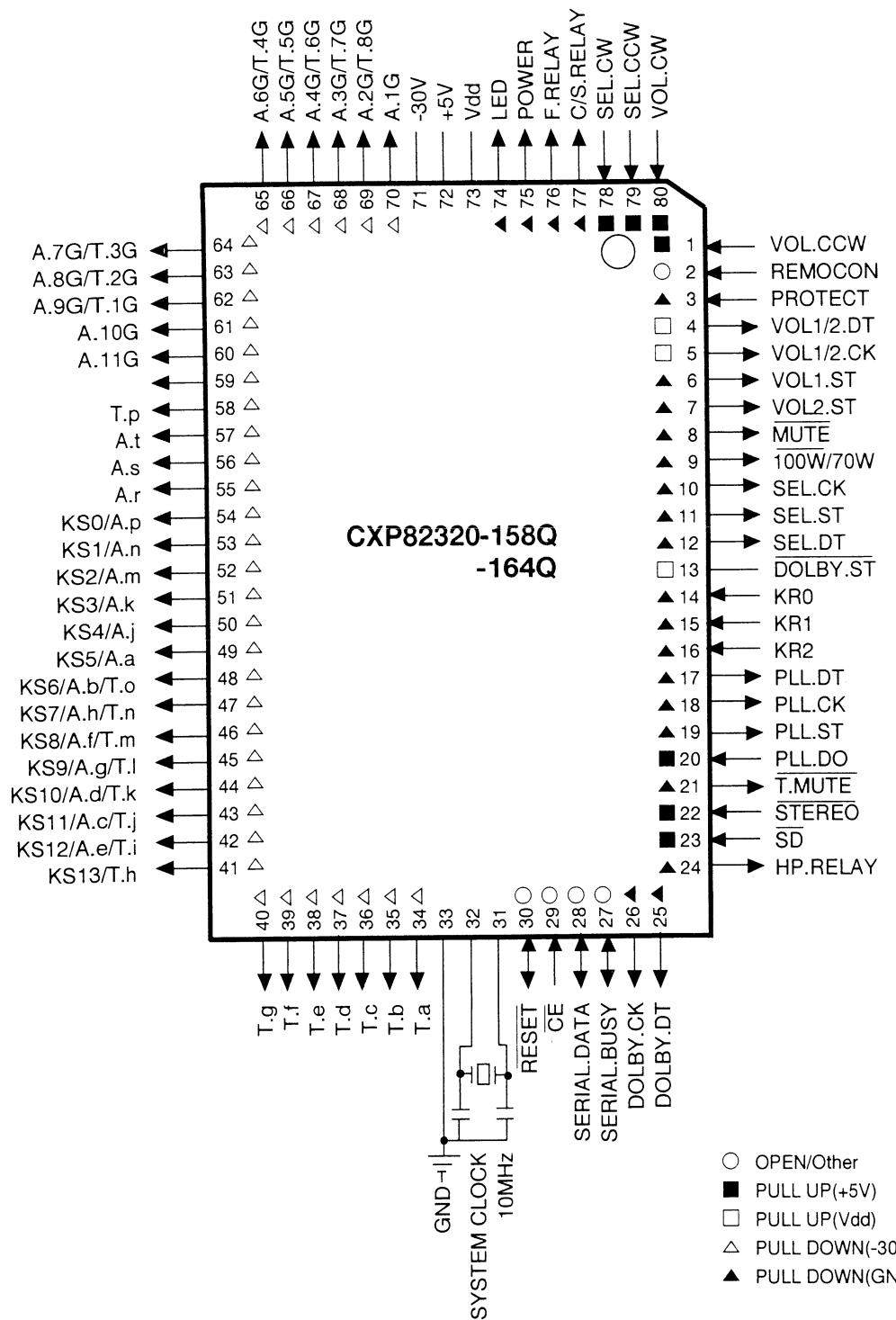
# KR-594/794 KR-594/794 BLOCK DIAGRAM



## CIRCUIT DESCRIPTION

**Microprocessor : CXP82320-158Q(X14 : IC1) : KR-594  
-164Q(X14 : IC1) : KR-794**

### ① Port layout



# KR-594/794

## CIRCUIT DESCRIPTION

### ② KEY MATRIX

	Pin No.	(14)	(15)	(16)
Pin No.	Name	KR0	KR1	KR2
④①	FL T.h/KS <sub>INI</sub> 2	DSW3	DSW4	DSW5
④②	FL A.e/T.i/KS <sub>INI</sub> 1	DSW0	DSW1	DSW2
④③	FL A.c/T.j/KS11	0	5	TUNING UP
④④	FL A.d/T.k/KS10	9	4	TUNING DOWN
④⑤	FL A.g/T.l/KS09	8	3	BAND
④⑥	FLA.f/T.m/KS08	7	2	-
④⑦	FL A.h/T.n/KS07	6	1	+10
④⑧	FL A.b/T.o/KS06	P.CALL	MEMORY	AUTO/MANUAL
④⑨	FL A.a/KS05	SPEAKER ON/OFF	DELAY TIME UP	POWER
④⑩	FL A.j/KS04	TEST-TONE	DELAY TIME DOWN	LINE-STRAIGHT
④⑪	FL A.k/KS03	BALANCE L	REAR SPEAKER VOLUME UP	LOUDNESS
④⑫	FL A.m/KS02	BALANCE R	REAR SPEAKER VOLUME DOWN	BYPASS
④⑬	FL A.n/KS01	CENTER MODE	CENTER SPEAKER VOLUME UP	Dolby Pro Logic
④⑭	FL A.p/KS00	-	CENTER SPEAKER VOLUME DOWN	Dolby 3-Stereo

# CIRCUIT DESCRIPTION

## ③ Pin description

Pin No.	I/O	Name	Description
1	I	VOL.CCW	Master volume encoder B terminal
2	I	REMOCOM	Remote controller signal
3	I	PROTECT	Protection detection
4	O	VOL1/2.DT	Electrical VOL IC DATA (TC9212P/TC9213P)
5	O	VOL1/2.CK	Electrical VOL IC CLOCK (TC9212P/TC9213P)
6	O	VOL1.ST	Electrical VOL IC STROBE (TC9212P/TC9213P)
7	O	VOL2.ST	Electrical VOL IC STROBE (TC9212P)
8	O	MUTE	Mute
9	O	100W/70W (KR)	100W/70W Relay change
10	O	SEL.CK	Audio selector IC CLOCK (TC9164N)
11	O	SEL.ST	Audio selector IC STROBE (TC9164N)
12	O	SEL.DT	Audio selector IC DATA (TC9164N)
13	O	DOLBY.ST	DOLBY IC ENABLE (LA2785/LV1010) (KR-794 only)
14	I	KR0	Key return 0
15	I	KR1	Key return 1
16	I	KR2	Key return 2
17	O	PLL.DT	PLL IC DATA(LC7218)
18	O	PLL.CK	PLL IC CLOCK(LC7218)
19	O	PLL.ST	PLL IC ENABLE(LC7218)
20	I	PLL.D0	PLL IC D0 (LC7218)
21	O	T.MUTE	Tuner mute
22	I	STEREO	Tuner stereo signal
23	I	SD	Tuner SD signal
24	O	HP.RELAY	Headphone relay
25	O	DOLBY.DT	DOLBY IC DATA(LA2785/LV1010) (KR-794 only)
26	O	DOLBY.CK	DOLBY IC CLOCK(LA2785/LV1010) (KR-794 only)
27	I/O	SERIAL.BUSY	Serial busy
28	I/O	SERIAL.DATA	Serial data
29	I	CE	Chip enable
30	I/O	RESET	Reset
31	I	EXTAL	Ceramic OSC 10MHz
32		XTAL	Ceramic OSC 10MHz
33		Vss	GND
34	O	T.a	Tuner FL segment a
35	O	T.b	Tuner FL segment b
36	O	T.c	Tuner FL segment c
37	O	T.d	Tuner FL segment d
38	O	T.e	Tuner FL segment e
39	O	T.f	Tuner FL segment f
40	O	T.g	Tuner FL segment g

# KR-594/794

## CIRCUIT DESCRIPTION

Pin No.	I/O	Name	Description
41	O	KS13/T.h	Key scan 13/ Tuner FL segment h
42	O	KS12/T.i/A.e	Key scan 12/ Tuner FL segment i/ Amp FL segment e
43	O	KS11/T.j/A.c	Key scan 11/ Tuner FL segment j/ Amp segment c
44	O	KS10/T.kA.d	Key scan 10/ Tuner FL segment k/ Amp segment d
45	O	KS9/T.l/A.g	Key scan 9/ Tuner FL segment l/ Amp FL segment g
46	O	KS8/T.m/A.f	Key scan 8/ Tuner FL segment m/ Amp FL segment f
47	O	KS7/T.n/A.h	Key scan 7/ Tuner FL segment n/ Amp FL segment h
48	O	KS6/T.o/A.b	Key scan 6/ Tuner FL segment o/ Amp FL segment b
49	O	A.a	Amp FL segment a
50	O	A.j	Amp FL segment j
51	O	A.k	Amp FL segment k
52	O	A.m	Amp FL segment m
53	O	A.n	Amp FL segment n
54	O	A.p	Amp FL segment p
55	O	A.r	Amp FL segment r
56	O	A.s	Amp FL segment s
57	O	A.t	Amp FL segment t
58	O	T.p	Tuner FL segment p
59	O	NC	Unused
60	O	A.11G	Amp FL grid 11
61	O	A.10G	Amp FL grid 10
62	O	T.1G/A.9G	Tuner FL grid 1/ Amp FL grid 9
63	O	T.2G/A.8G	Tuner FL grid 2/ Amp FL grid 8
64	O	T.3G/A.7G	Tuner FL grid 3/ Amp FL grid 7
65	O	T.4G/A.6G	Tuner FL grid 4/ Amp FL grid 6
66	O	T.5G/A.5G	Tuner FL grid 5/ Amp FL grid 5
67	O	T.6G/A.4G	Tuner FL grid 6/ Amp FL grid 4
68	O	T.7G/A.3G	Tuner FL grid 7/ Amp FL grid 3
69	O	T.8G/A.2G	Tuner FL grid 8/ Amp FL grid 2
70	O	A.1G	Amp FL grid 1
71		- 30V	Power supply terminal for Fluorescent display output drive circuit(- 30V)
72		+ 5V	Supply voltage terminal(+ 5V)
73		NC	NC terminal, but during normal operation it goes to Vdd(+5V)
74	O	LED	Standby LED
75	O	POWER	Power supply relay
76	O	F.RELAY	Front relay
77	O	C/S.RELAY	Center surround relay
78	O	SEL.CW	Input selector encoder A terminal
79	O	SEL.CCW	Input selector encoder B terminal
80	O	VOL.CW	Master volume encoder A terminal

**KR-594/794**

#### ④ Test mode

## (1) Setting method

- Plug the power cord into an AC outlet while depressing the SPEAKER ON/OFF key.

### **(2) Cancellation method**

- TEST MODE cancels by unplugging the power cord from AC outlet and restores the initial setting condition.

### (3) Contents

#### ① Auto POWER ON

- If the power cord is plugged an AC outlet while depressing the SPEAKER ON/OFF key, the POWER ON mode is always entered and all functions are initialized.
- Actuations (MUTE/IC control, etc.) at POWER ON are carried out the same as in the normal actuation mode. (This is because POWER ON without turning on the MUTE sometimes activates the protection circuitry and prevents the inspection from proceeding further.)

## ② All-illuminated MODE

- If the power cord is plugged in an AC outlet while depressing the SPEAKER ON/OFF key, all the Fluorescent and LED indicators always illuminate. Then return to the normal display condition when any key is pressed.

### ③ Main unit key effective/ineffective confirmation

- This enables confirmation of whether the main unit keys are being received.

⑤ Keys and switches with different actuations in test mode and normal mode, and their test mode actuations :

- BALANCE L 3-stage settings  
R→CENTER→L 3-stage settings
- BALANCE R 3-stage settings  
L→CENTER→R 3-stage settings
- DELAY UP 3-stage settings  
KEY MINIMUM→CENTER→MAXIMUM
- DELAY DOWN 3-stage settings  
KEY 3-stage settings
- DELAY DOWN 3-stage settings  
KEY MAXIMUM→CENTER→MINIMUM

# KR-594/794

## CIRCUIT DESCRIPTION

- ⑤ MUTE signal output
  - MUTE signal output actuates normally.
- ⑥ Dealing with switches only on the remote control unit
  - Switches only found on the remote control unit are tested using the remote control unit during test

### ⑤ Initial setting

POWER ON/OFF	: OFF
MAIN VOLUME level	: - 66dB
L/R BALANCE	: CENTER
DISPLAY MODE	: INPUT SELECTOR
RAM display AREA	: ALL CLEAR
Judgment FLAG during DECK REC	: During NOT REC
Judgment FLAG during CCRS	: During NOT CCRS
Sound INPUT SELECTOR	: TUNER
SPEAKER	: ON
LOUDNESS	: OFF
LINE STRAIGHT	: OFF
DOLBY SURROUND MODE	: BYPASS
DOLBY PRO LOGIC CENTER	
SPEAKER MODE	: NORMAL
DOLBY 3-STEREO CENTER	
SPEAKER MODE	: NORMAL
DOLBY PRO LOGIC DELAY	
TIME	: 20msec
CENTER SPEAKER VOLUME LEVEL	: 0dB(Electrical volume is +5dB)
REAR SPEAKER VOLUME LEVEL	: 0dB(Electrical volume is +5dB)
TEST TONE	: OFF

mode, and therefore the program does not accommodate them.

### ⑦ Relay control during DOLBY MODE

- Relay control during DOLBY MODE is done the same as during normal operation mode.

(TEST PRESET FREQUENCY)

PRESET ch	FREQUENCY		
	K1(1700)	K2(1610)	E(Without LW)
1	FM 98.0	FM 98.0	FM 98.0
2	FM 108.0	FM 108.0	FM 108.0
3	AM 630	AM 630	AM 630
4	AM 990	AM 990	AM 990
5	AM 1440	AM 1440	AM 1440
6	AM 1610	AM 1610	AM 1602
7	AM 1700	FM 87.5	FM 87.5
8	FM 87.5	FM 87.5	FM 87.5
9	FM 87.5	FM 87.5	FM 87.5
10	FM 89.1	FM 89.1	FM 89.1
11	FM 87.5	FM 87.5	FM 87.5
12	FM 90.0	FM 90.0	FM 90.0
13	FM 106.0	FM 106.0	FM 106.0
14	AM 530	AM 530	AM 531
15	FM 87.5	FM 87.5	FM 87.5
16	FM 87.5	FM 87.5	FM 87.5
17	FM 87.5	FM 87.5	FM 87.5
18	FM 87.5	FM 87.5	FM 87.5
19	FM 87.5	FM 87.5	FM 87.5
20	FM 87.5	FM 87.5	FM 87.5

### (1) Setting method

- Plug the power cord in an AC outlet while depressing POWER key.

### (2) Contents

- All function are initialized (including test mode).

# KR-594/794

## CIRCUIT DESCRIPTION

### ⑥ Condition according to the destination and model

Switch name refer to KEY MATRIX on page 6.

#### [TUNER]

DSW2	DSW1 D21(MY) D22(X)	DSW0 D23	Destination	BAND	Receiving Remarks	Channel space	IF	Reference Frequency
X	X	X	K1	FM	87.50~108.00 MHz	100 kHz	+ 10.7 MHz	25 kHz
				AM	530~1700 kHz	10kHz	+ 450 kHz	10 kHz
X	X	●	K2	FM	87.50~108.00 MHz	100 kHz	+ 10.7 MHz	25 kHz
				AM	530~1610 kHz	10 kHz	+ 450 kHz	10 kHz
X	●	●	E1	FM	87.50~108.00 MHz	50 kHz	+ 10.7 MHz	25 kHz
				AM	531~1602kHz	9 kHz	+ 450 kHz	9 kHz
●	X	●	Prohibition ( MType use by switching K2 and E2.)					
●	●	X						
●	●	●						

Note : ●= With DIODE

X= Without DIODE

#### [AMP]

MODEL	DSW5	DSW4 D10	DSW3 D3	Amp function
KR-594	X	X	●	
KR-794	X	●	●	PRO LOGIC/ 3STEREO

●= With DIODE

X= Without DIODE

DSW3 : Receiver / Amp

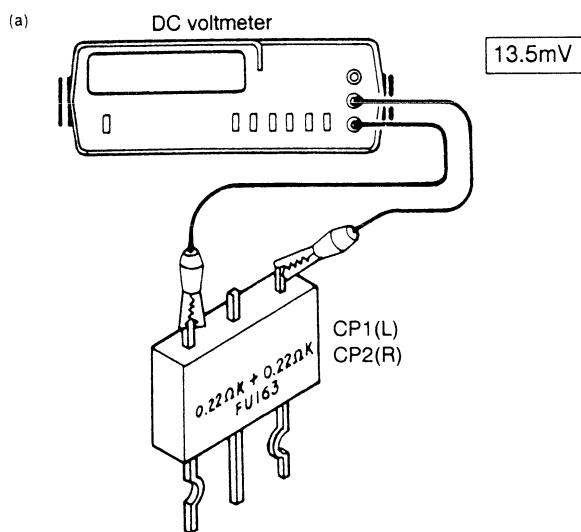
DSW4 : With/ Without Surround

# KR-594/794

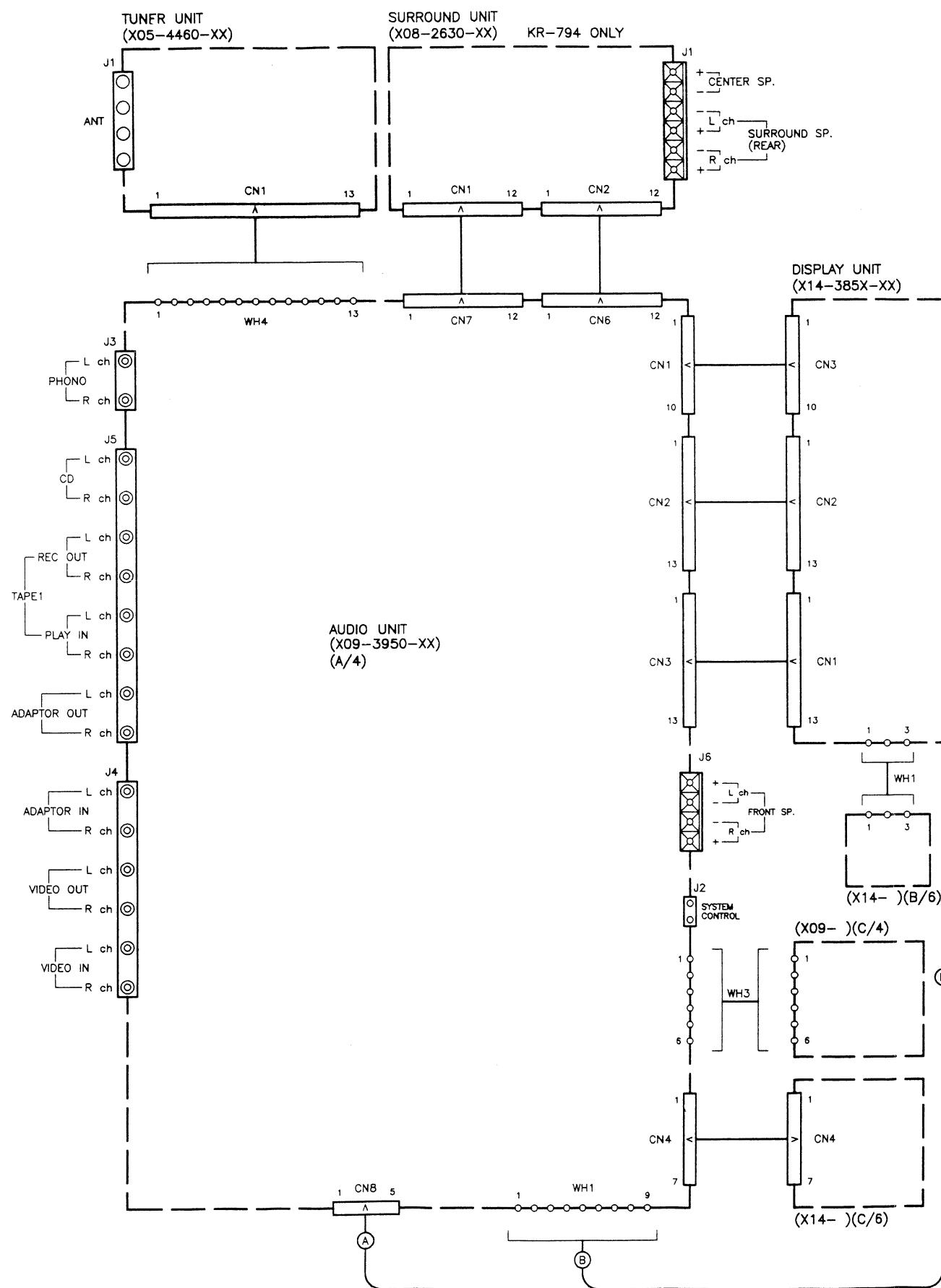
## ADJUSTMENT

### ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows : POWER : ON      SELECTOR : PHONO							
1	IDLE CURRENT	-	Connect a DC voltmeter across CP1(L) CP2(R) (X09-)	Volume:0	VR1 (L) VR 2 (R) (X09-)	13.5mV	(a)

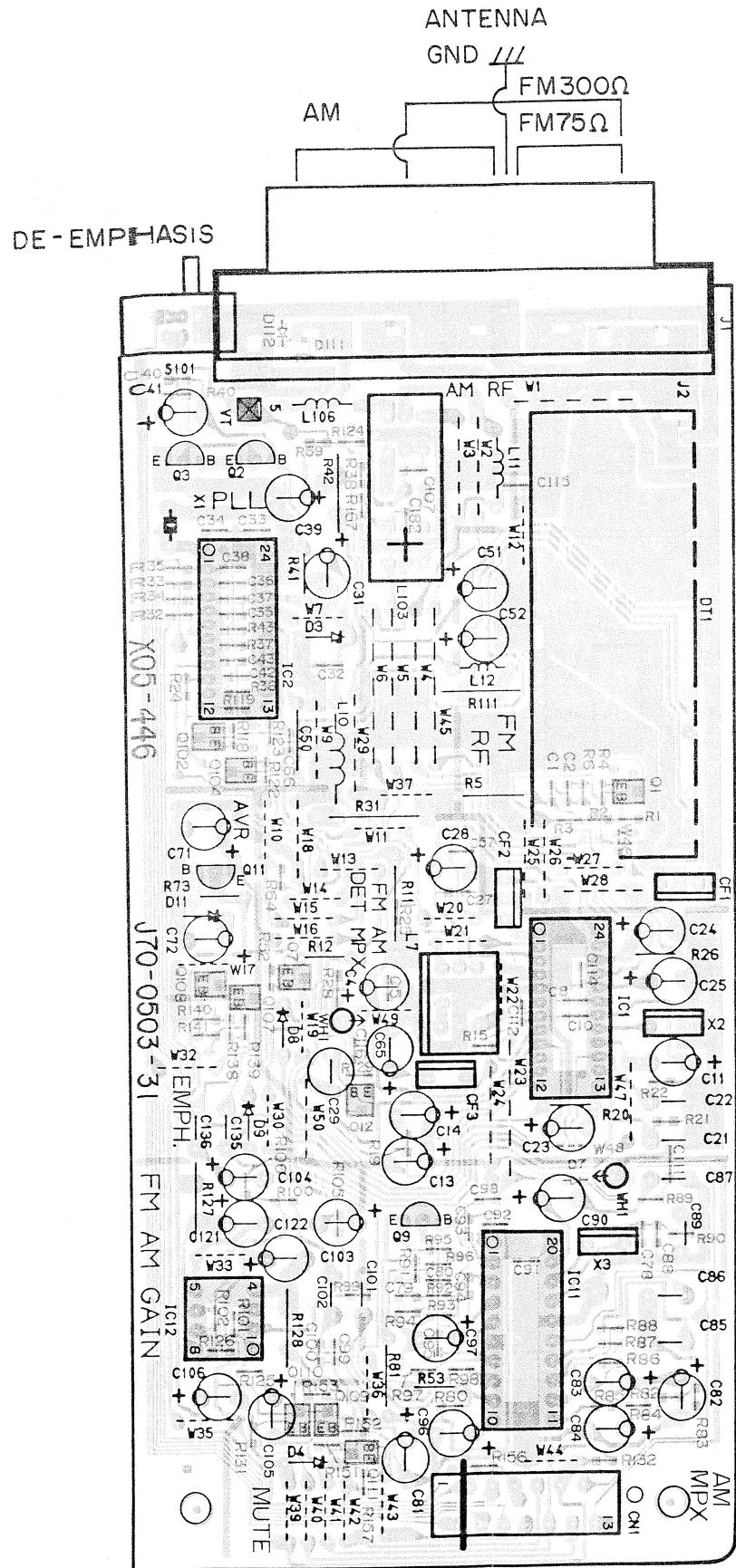


# KR-594/794 KR-594/794 WIRING DIAGRAM



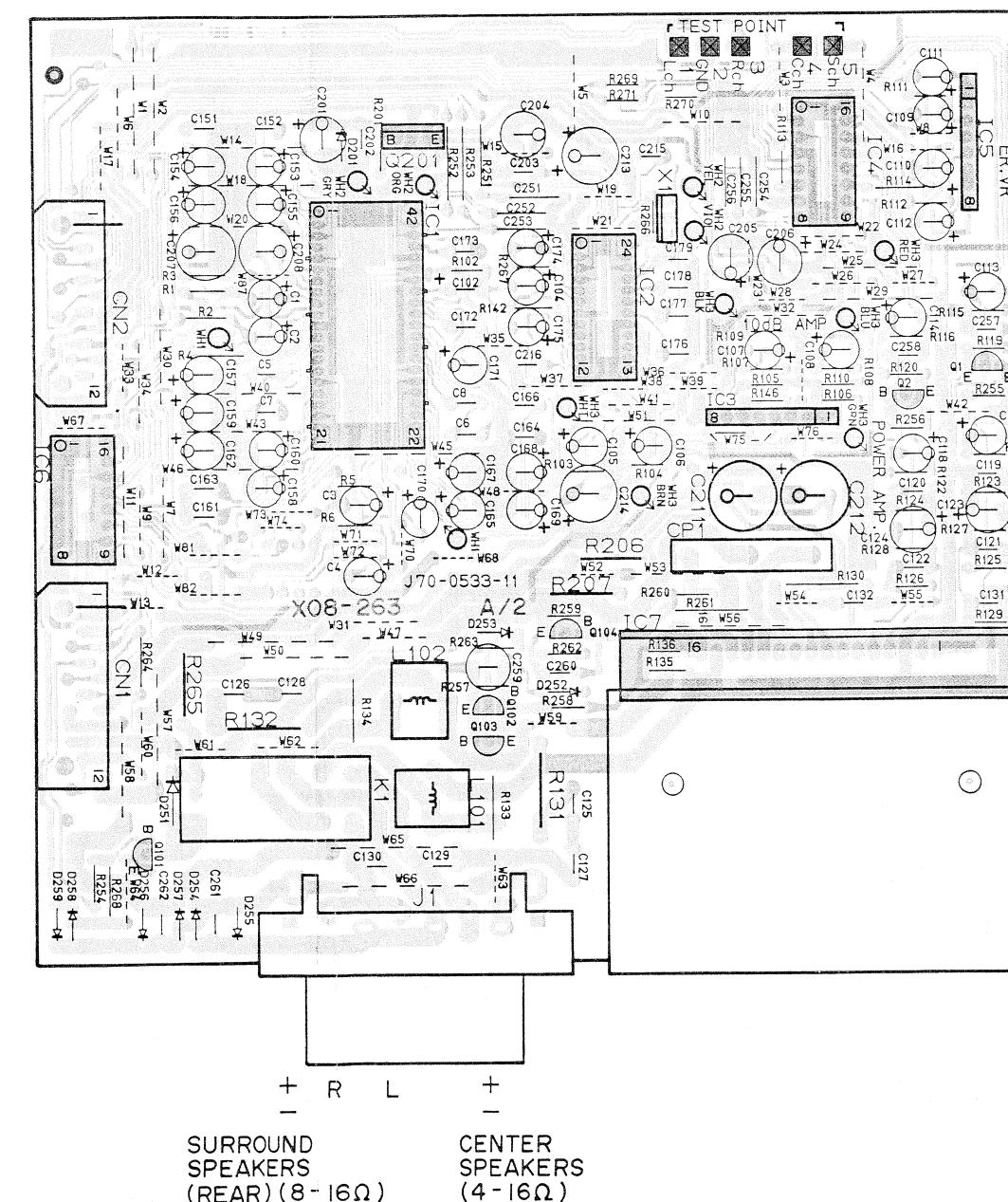
PC BOARD (Component side view)

TUNER UNIT(X05-4460-XX)



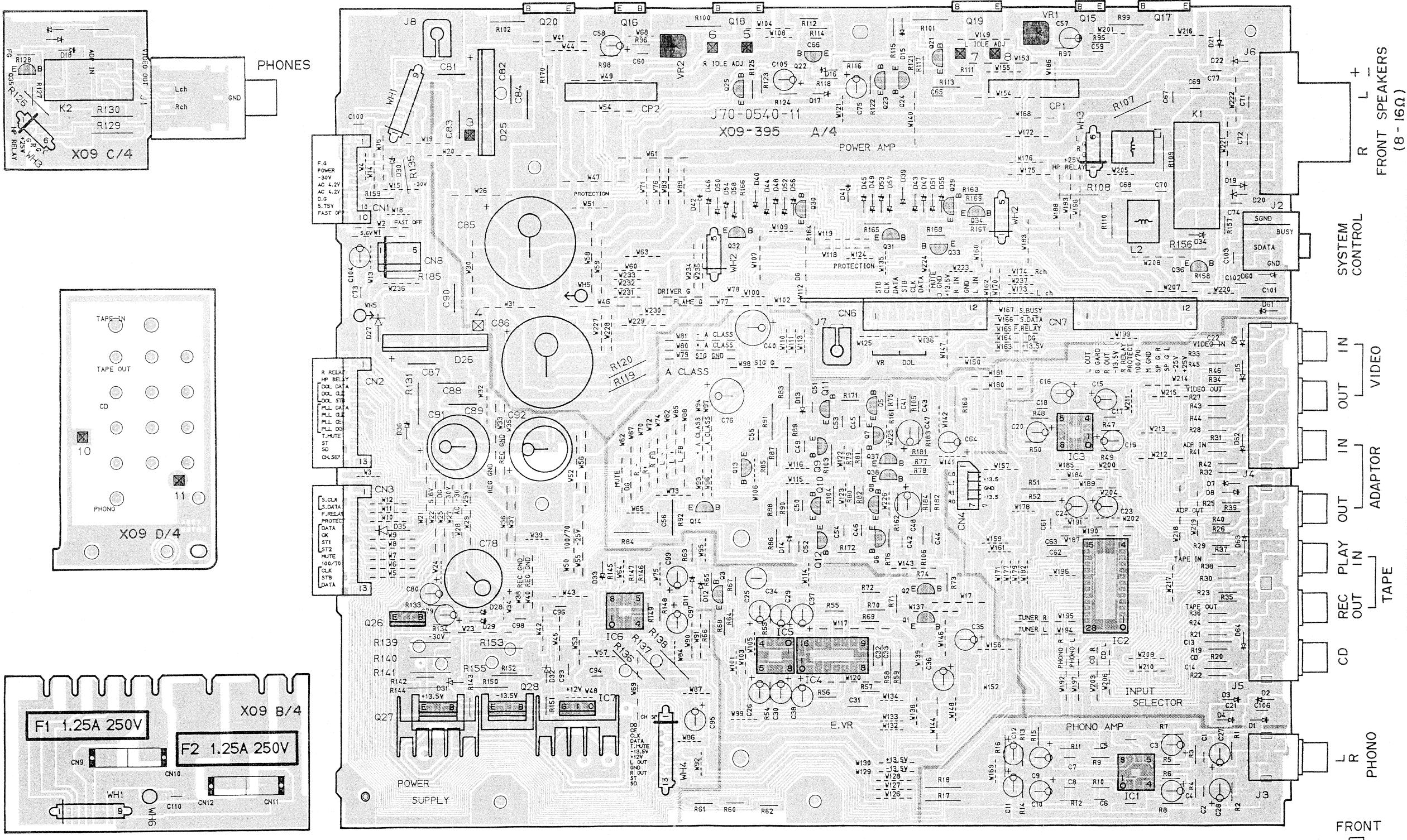
SURROUND UNIT(X08-2630-X)

FRON



## **PC BOARD (Component side view)**

**AUDIO UNIT(X09-3950-XX)**



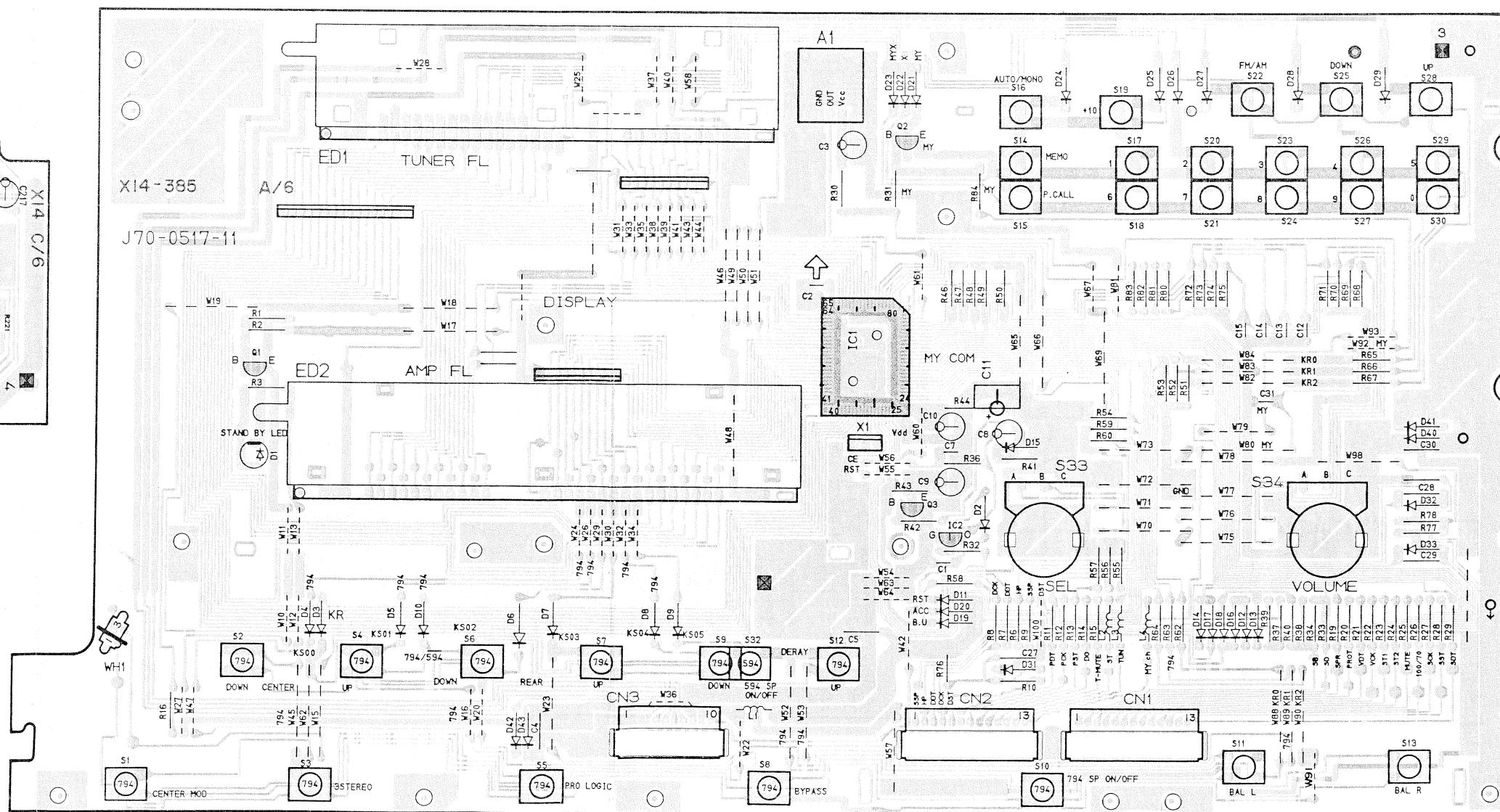
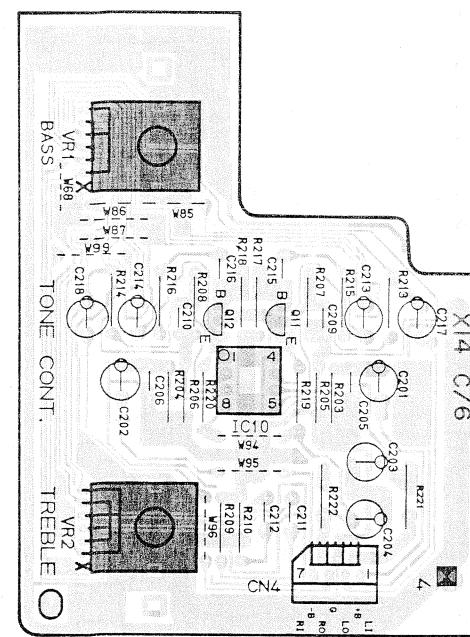
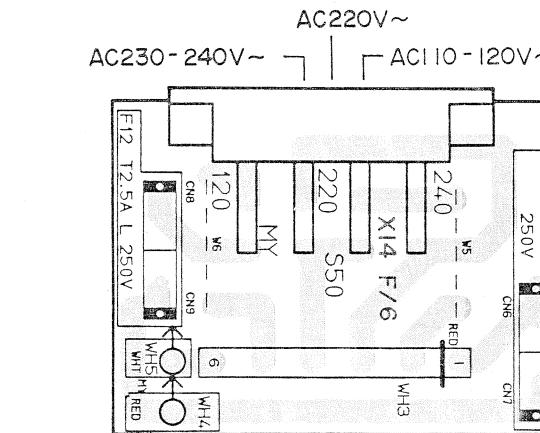
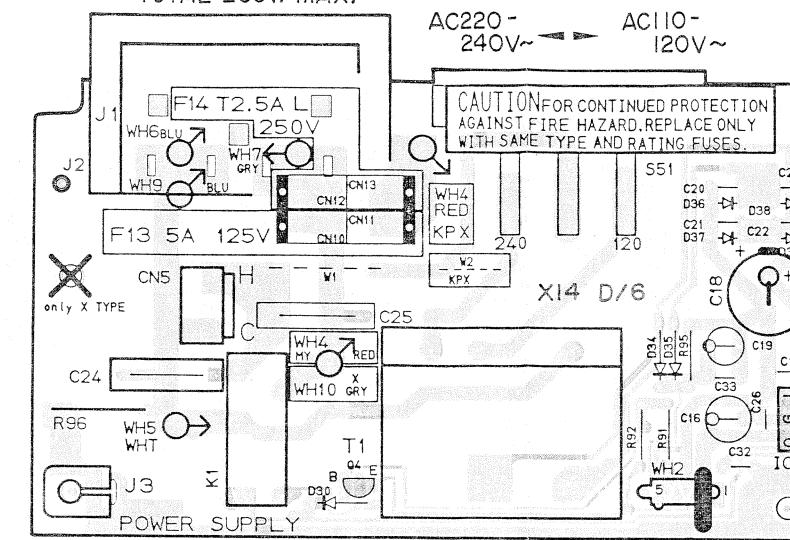
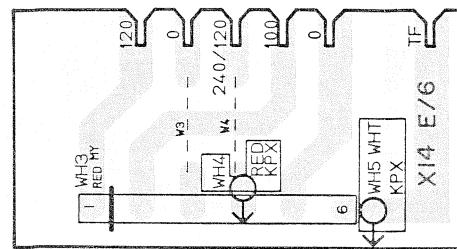
Refer to the schematic diagram for the values of resistors and capacitors.

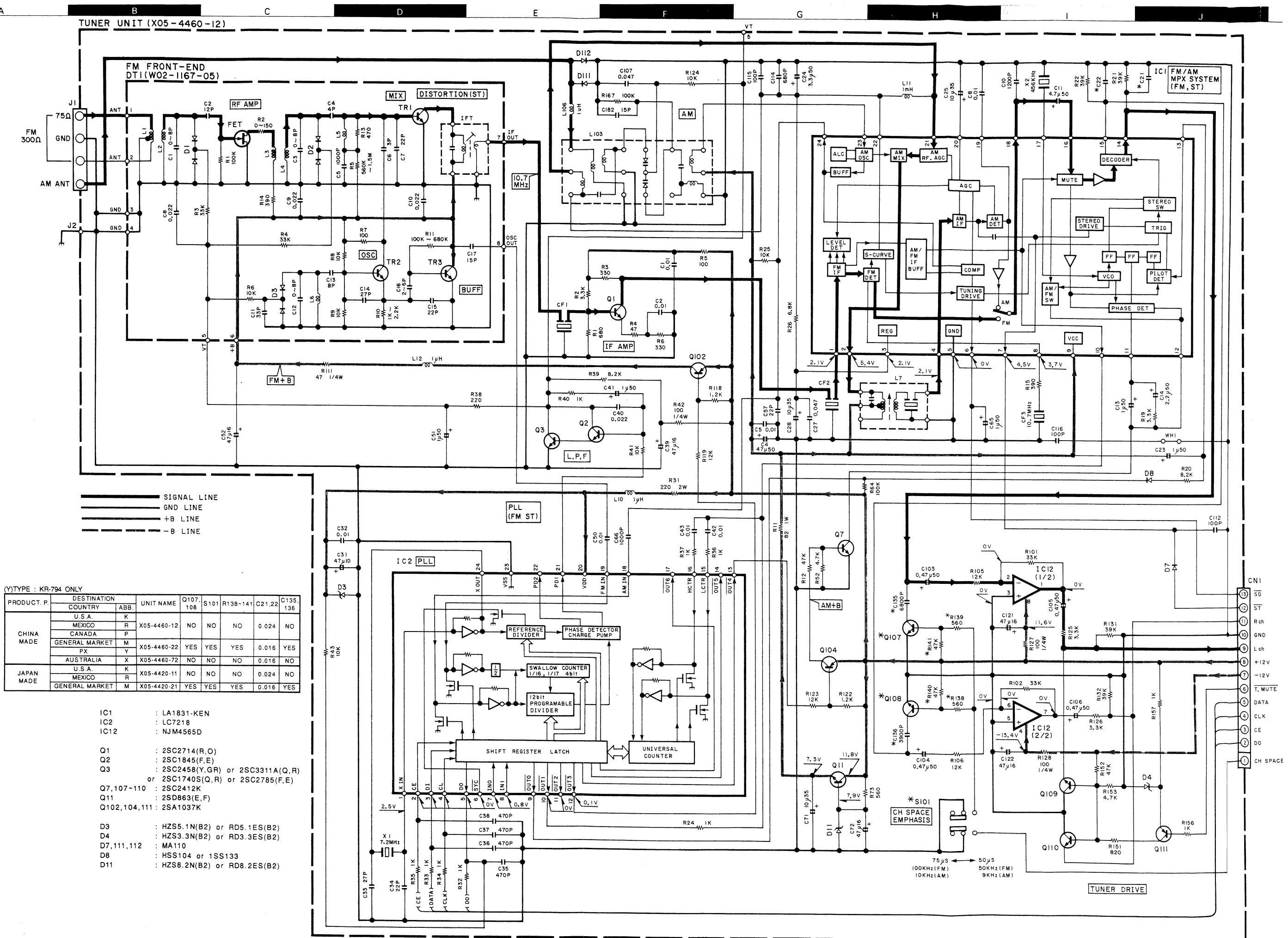
## **PC BOARD (Component side view)**

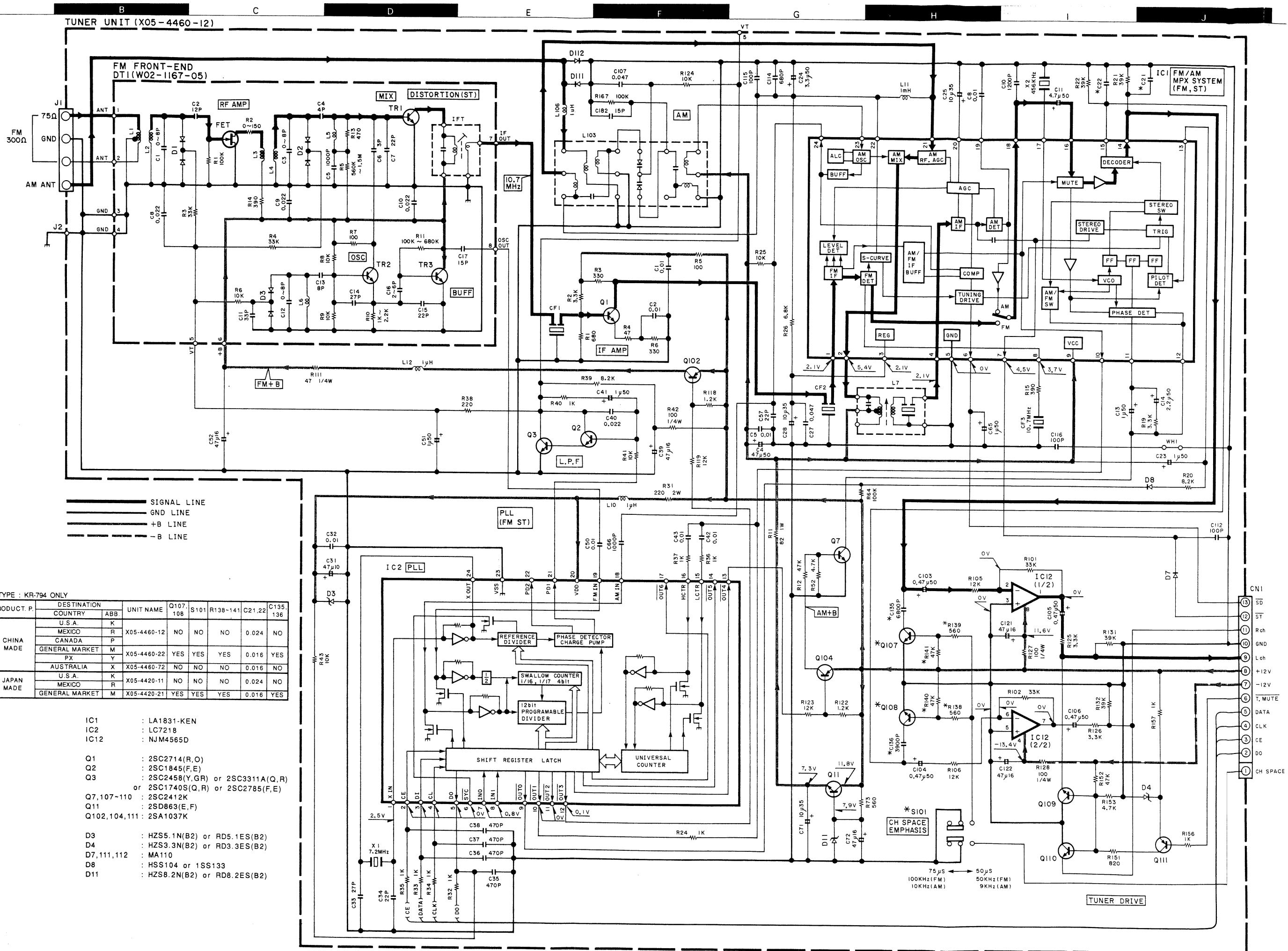
## **DISPLAY UNIT(X14-385X-XX)**

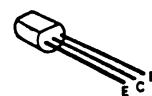
AC110-120V~/220V~/230-240V

50/60Hz  
SWITCHED  
TOTAL 200W M





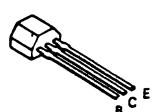




2SA1123  
2SA992  
2SC1845  
2SC2003  
2SC2631  
2SC2878  
2SD863



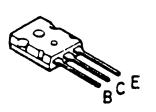
2SC2785



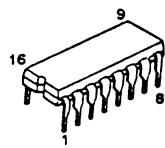
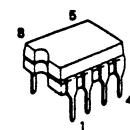
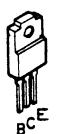
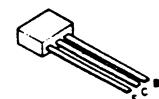
2SA1048  
2SC1740S  
2SC2458



2SA1037K  
2SC2412K  
2SC2714



2SB1470BT  
2SD2222BT



2SB1370  
2SD2061

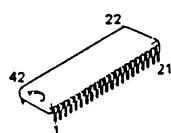
2SA1309A  
2SC3311A

2SB1375  
2SD2012

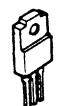
NJM4565D  
NJM4565D-D

TC9213P  
TC9215P

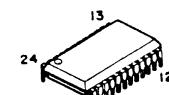
NJM4580D-D



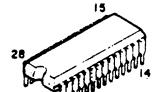
LA2785



UPC7812AHF



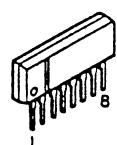
LA1831-KEN



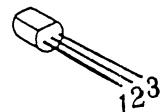
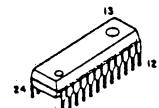
TC9164N



AN780575F  
TA7812S



NJM4565L-D



LC7218  
LV1010

S-80740AL

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

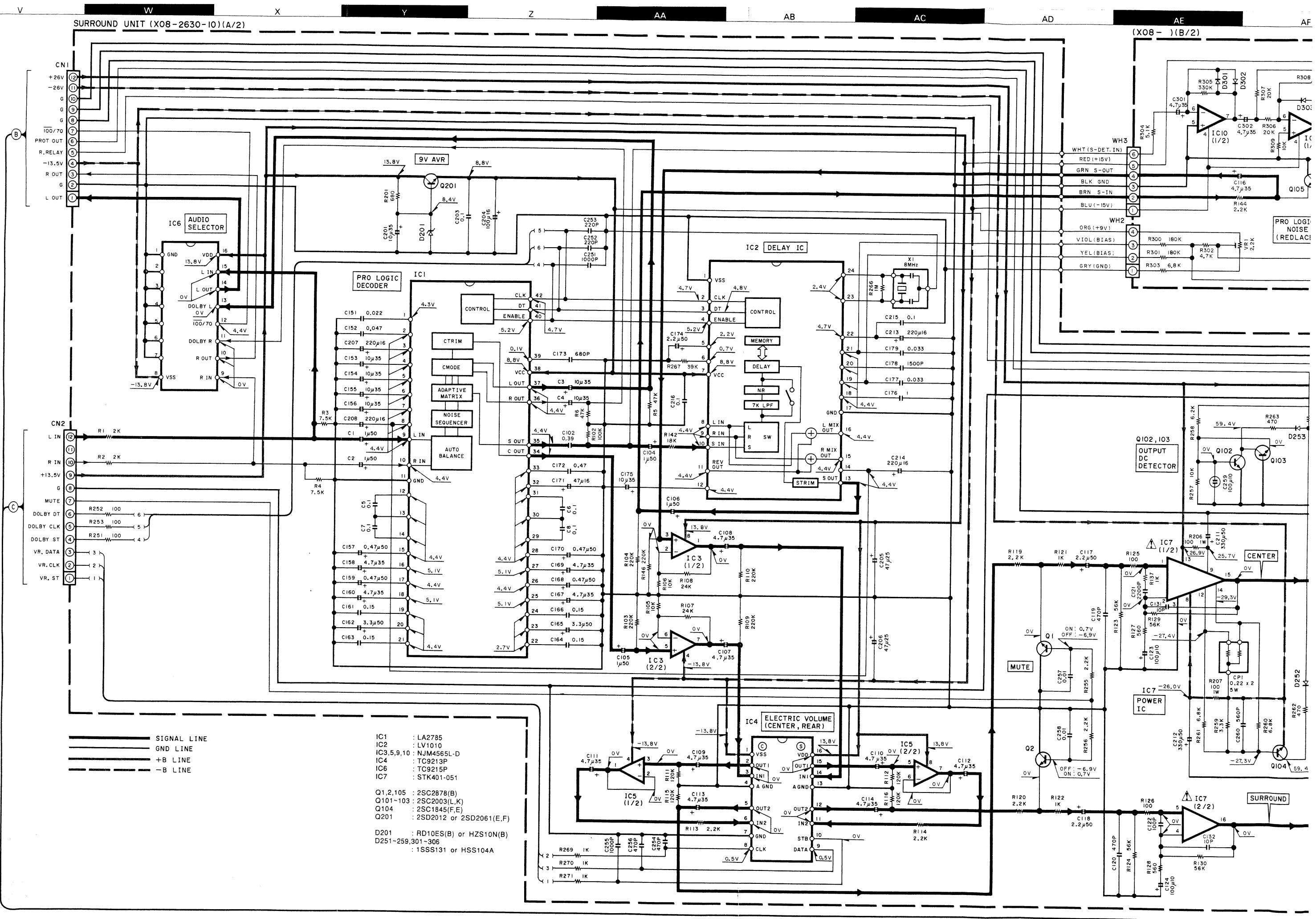
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

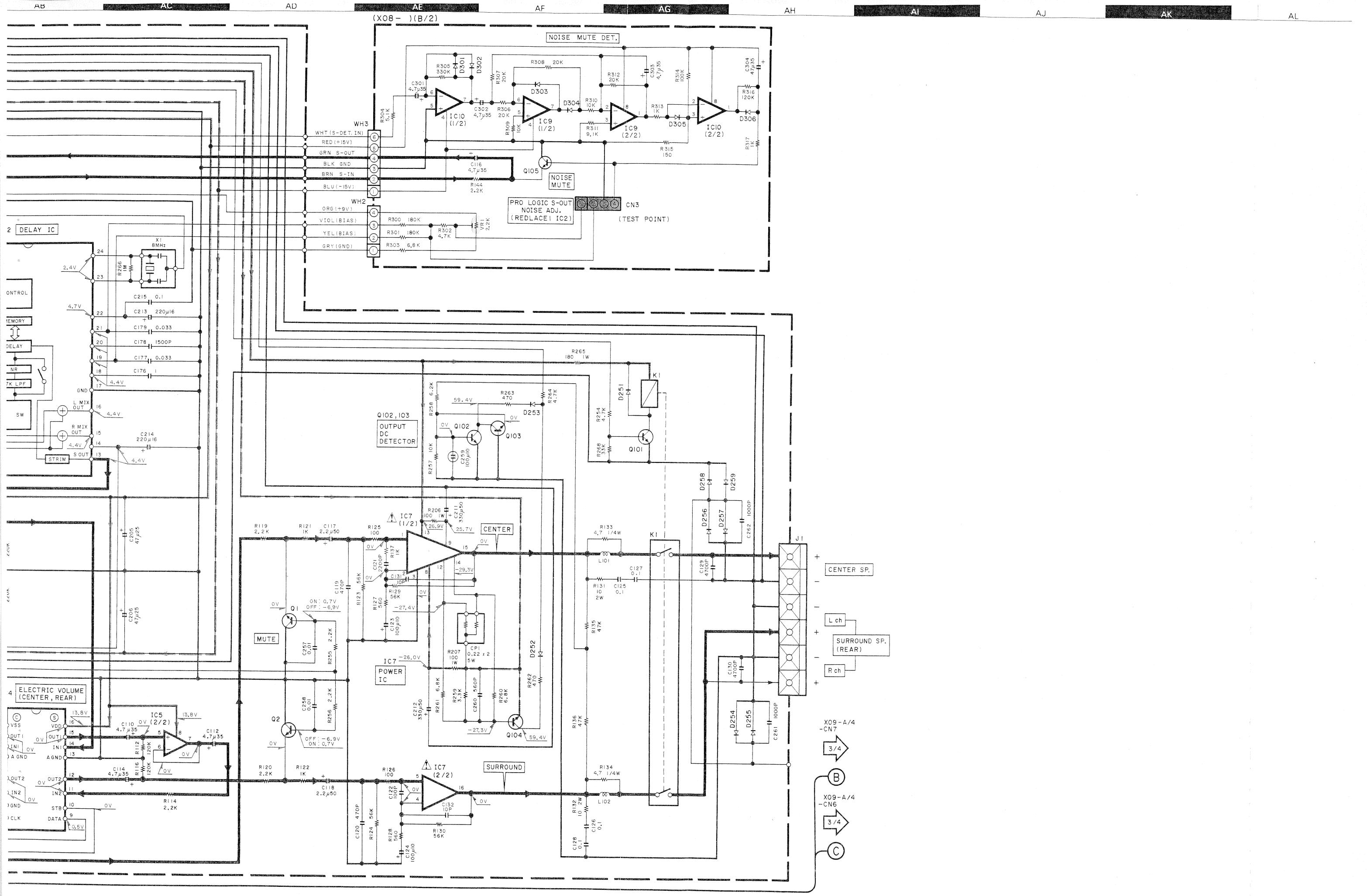
1/4

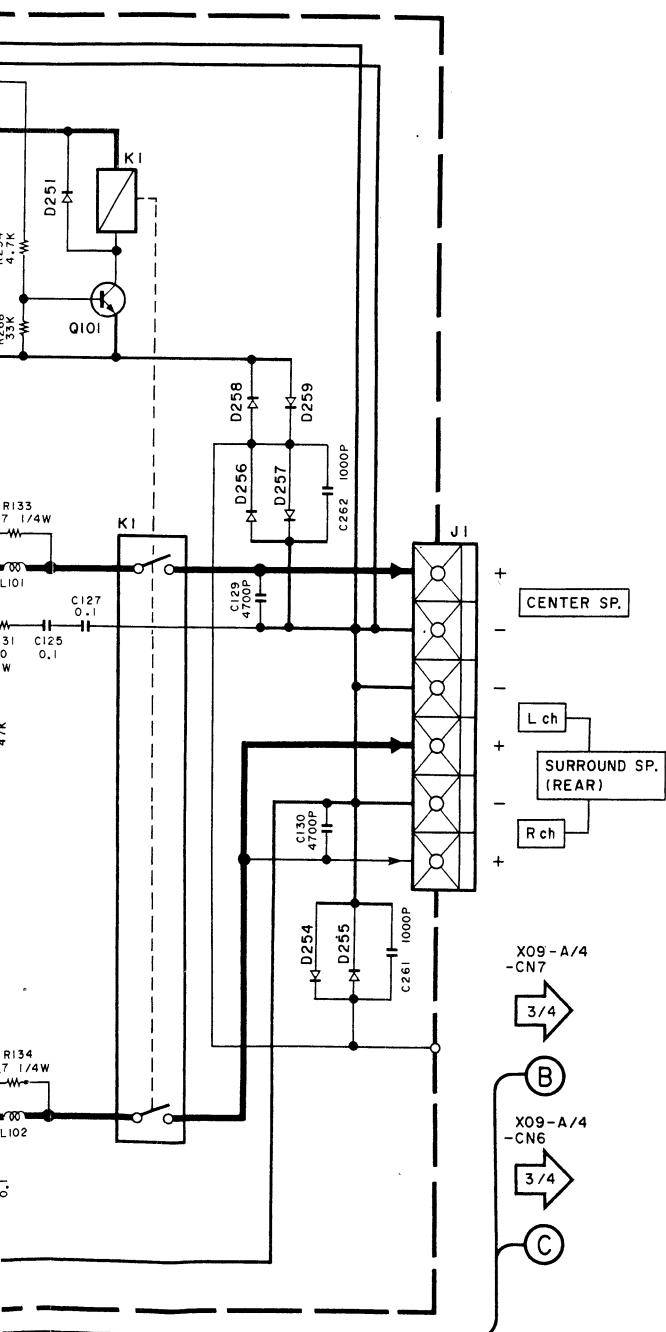
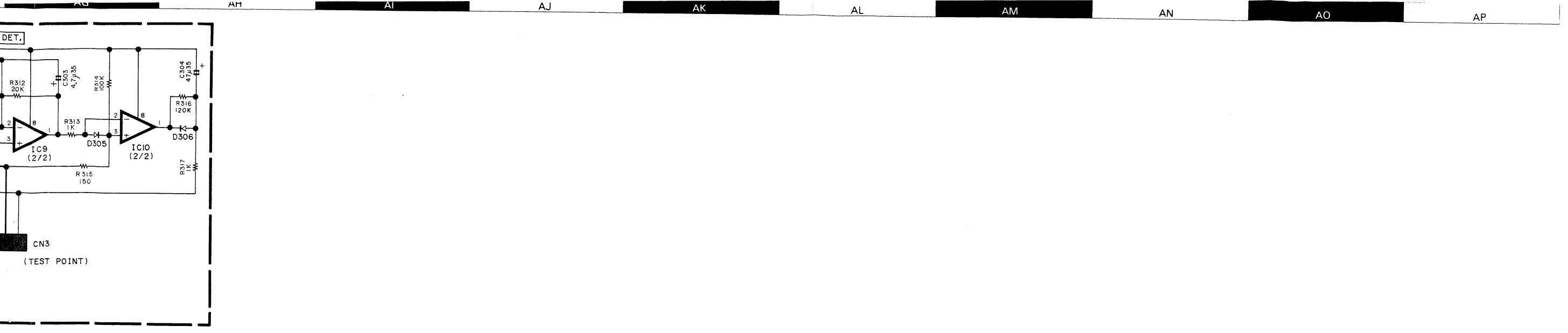
Y05-2860-10

KR-594/794

KENWOOD







DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

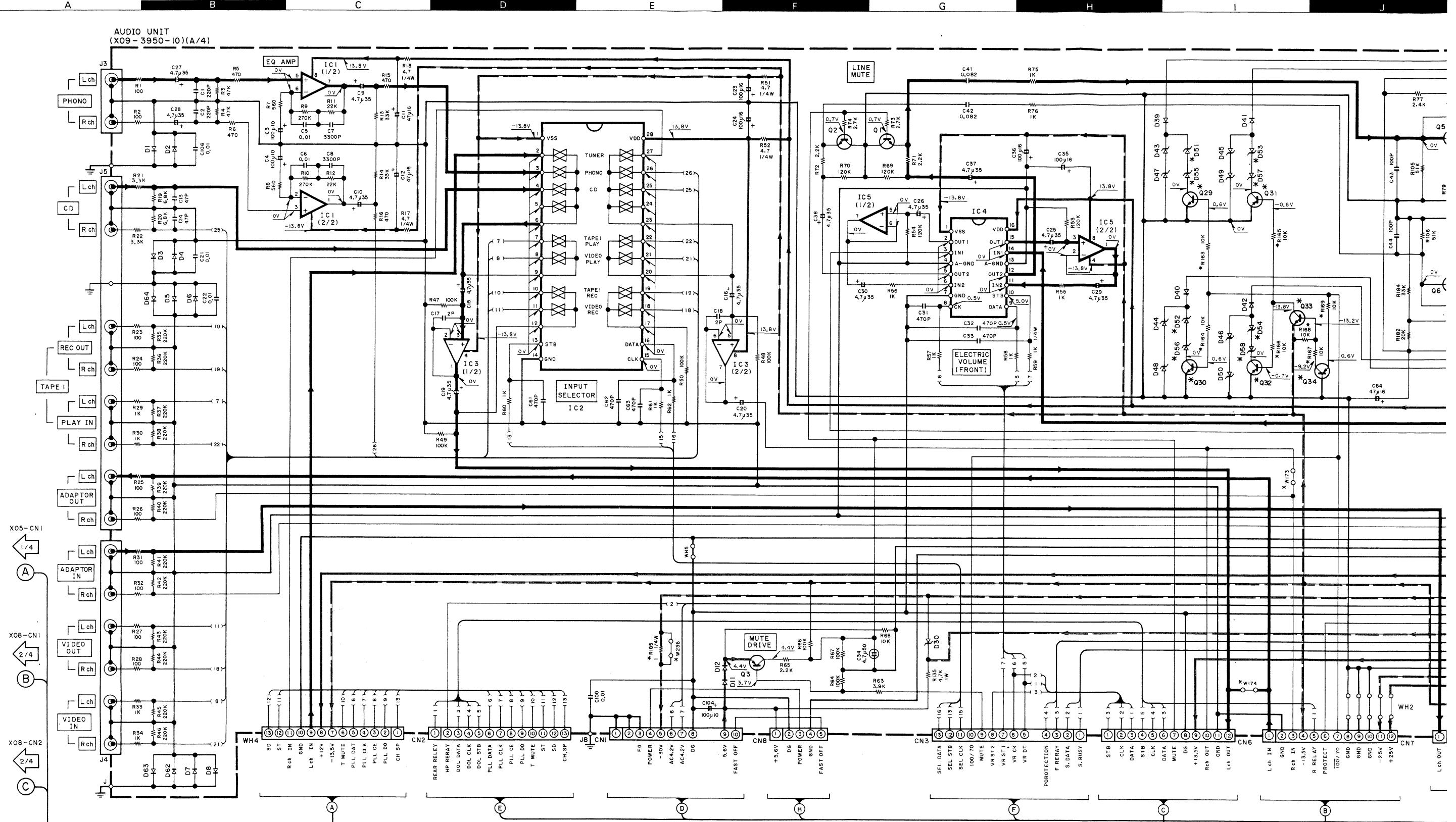
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

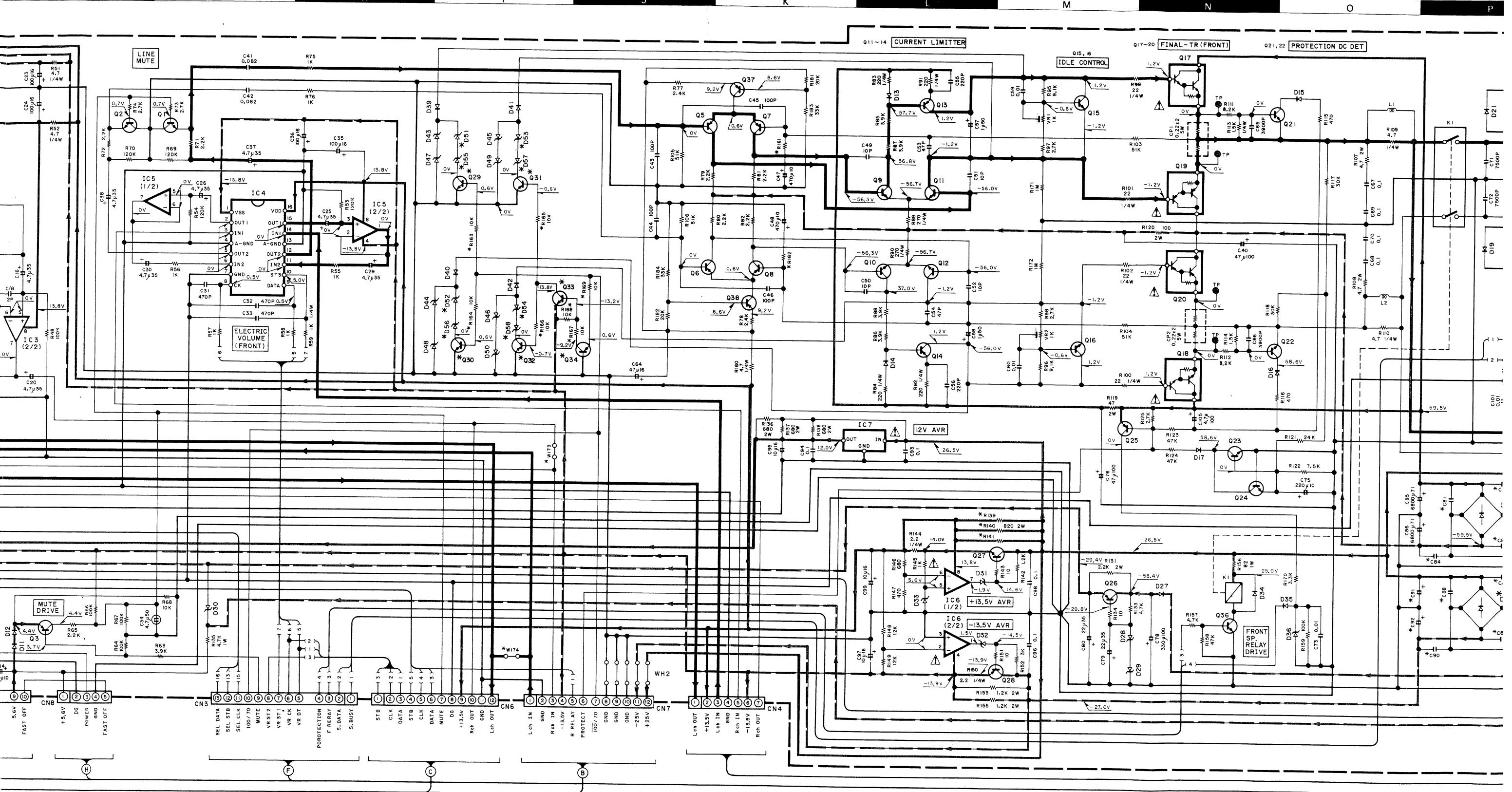
**CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list)  $\Delta$  Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.**

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**KR-594/794**  
**KENWOOD**

Y05-2860-10

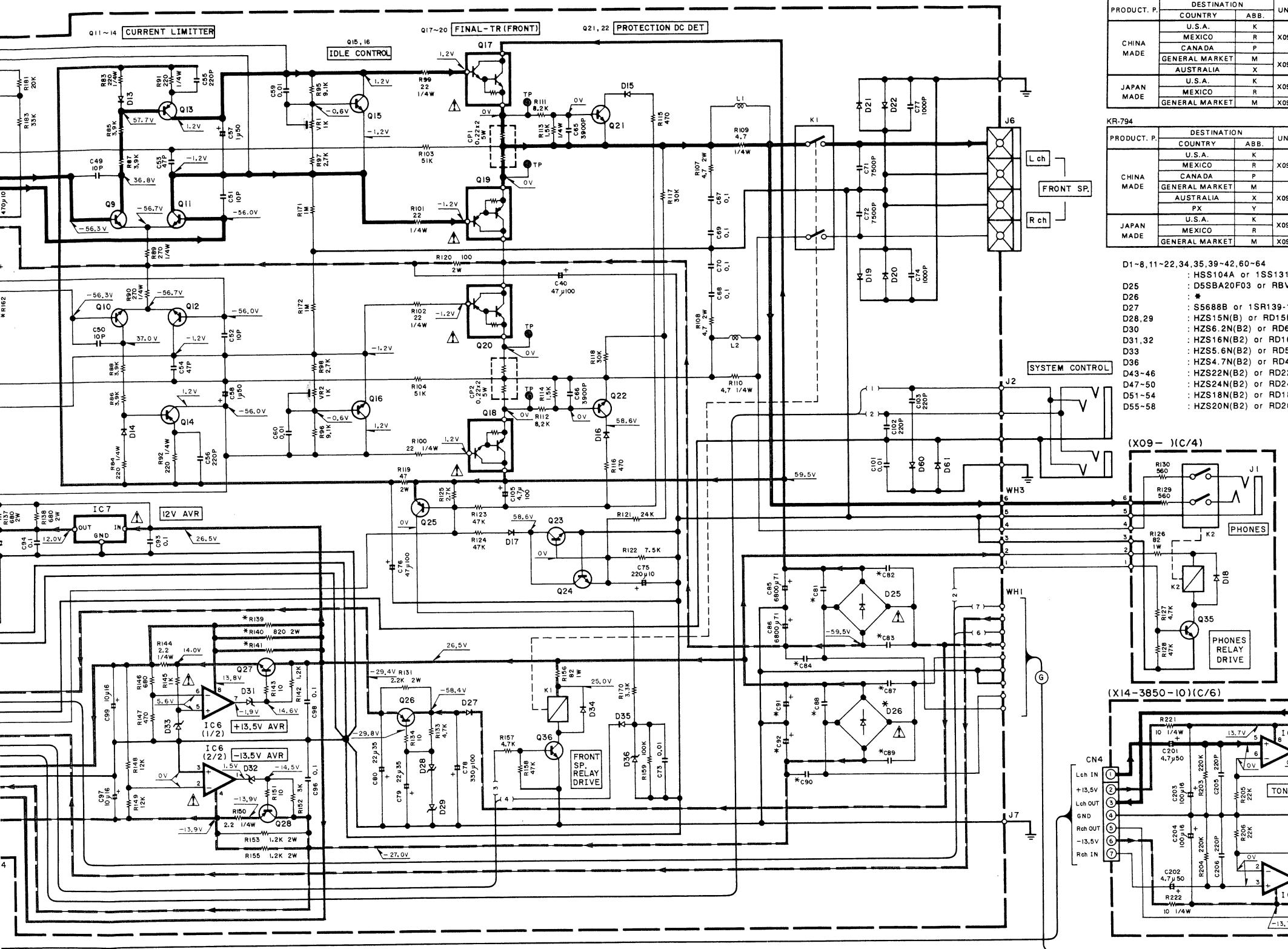




DC voltages are measured by an electronic voltmeter. Variations between units

Les tensions c.c. d'voltmètre à haute impédance diffèrent légèrement entre les appareils individuels.

Die angegebenen Werte messen. Dabei schätzen Sie von Unterschieden zwischen den beiden Geräten ab.



KR-594		KR-794														
PRODUCT, P.	DESTINATION	COUNTRY	ABB.	UNIT NAME	C81-84,87-90	R185	W236	C91,92	R139, 141	R140	R161, 162	R163, 169	W173,	D26	D51- 58	Q29- 34
CHINA MADE		U.S.A. MEXICO CANADA AUSTRALIA	K R P X	X09-3950-11	CK45FE2H103P	YES	NO									
		GENERAL MARKET	M	X09-3950-22	C91-1480-05	NO	YES	1000μ35	1.2K	NO	300	NO	YES	D3SBA20F03 or RBV-402LFA	NO	NO
JAPAN MADE		U.S.A. MEXICO GENERAL MARKET	K R M	X09-3950-13	CK45FE2H103P	YES	NO									
		X09-3950-24	C91-1480-05	NO	YES											

KR-794		PRODUCT, P.	DESTINATION	COUNTRY	ABB.	UNIT NAME	C81-84,87-90	R185	W236	C91,92	R139, 141	R140	R161, 162	R163, 169	W173,	D26	D51- 58	Q29- 34
CHINA MADE		U.S.A. MEXICO CANADA AUSTRALIA	K R P X	X09-3950-10	CK45FE2H103P	YES	NO											
		GENERAL MARKET	M	X09-3950-21	C91-1480-05	NO	YES	3300μ35	820	YES	220	YES	NO	NO	D3SBA20F03 or RBV-602LFA	YES	YES	
JAPAN MADE		U.S.A. MEXICO GENERAL MARKET	K R M	X09-3950-12	CK45FE2H103P	YES	NO											
		X09-3950-23	C91-1480-05	NO	YES													

D1-8, 11-22, 34, 35, 39-42, 60-64 : HSS104A or 1SS131  
 D25 : \*  
 D26 : D558B or 1SR139-100  
 D27 : S568B or 1SR139-100  
 D28, 29 : HZS15N(B) or RD15ES(B)  
 D30 : HZS6.2N(B2) or RD6.2ES(B2)  
 D31, 32 : HZS16N(B2) or RD16ES(B2)  
 D33 : HZS6.6N(B2) or RD6.6ES(B2)  
 D36 : HZS4.7N(B2) or RD4.7ES(B2)  
 D43-46 : HZS22N(B2) or RD22ES(B2)  
 D47-50 : HZS24N(B2) or RD24ES(B2)  
 D51-54 : HZS18N(B2) or RD18ES(B2)  
 D55-58 : HZS20N(B2) or RD20ES(B2)

Q1, 2 : 2SC2878(B)  
 Q3, 34, 37, 38 : 2SA1048(Y, GR) or 2SA1309A(Q, R)

Q5-8, 31, 32 : 2SA992(F, E)

Q9-12 : 2SC2632(R, S)

Q13, 14, 25 : 2SA1123(R, S)

Q15, 16 : 2SC4137F19(V, W)

Q17, 18 : 2SD2222BT

Q19, 20 : 2SB1470BT

Q21, 22 : 2SC2631(R, S)

Q23, 24, 35, 36 : 2SC2003(L, K)

Q26, 28 : 2SB1370 or 2SB1375

Q27 : 2SD2012 or 2SD2061

Q29, 30 : 2SC1845(F, E)

Q33 : 2SC2458(Y, GR) or 2SC3311A(Q, R)

XI4-A/6 -CN3

IC1, 3, 5 : NJM4565D-D or XRA15218-DX

IC2 : TC9164N

IC4 : TC9213P

IC6 : NJM4580D-D

IC7 : TA7812S or μPC7812AHF

XI4-A/6 -CN2

4/4

E

XI4-A/6 -CN1

4/4

F

XI4-B/4 -WH1

4/4

G

XI4-D/6 -WH2

4/4

H

SIGNAL LINE

GND LINE

+B LINE

-B LINE

(X09- ) (C/4)

RI30 56Ω W

R129 56Ω W

J1

PHONES

R126 1W W

K2

D18

Q35

PHONES RELAY DRIVE

(X14-3850-10) (C/6)

RI30 56Ω W

R129 56Ω W

J1

WH1

Q11, 12 : SEMI CONDUCTOR REACTANCE

CN4

Lch IN

+13.5V

Lch OUT

GND

Rch OUT

-13.5V

Rch IN

Q11

-0.4V

Q12

-1.0V

R215 47Ω W

R217 47Ω W

C215 4.7μF W

R218 47Ω W

R220 100Ω W

C216 0.05μF W

R221 4.7μF W

R222 10Ω W

C202 4.7μF W

R204 100Ω W

C205 220pF W

R206 56Ω W

C209 56pF W

R208 1.8K W

C210 3.3pF W

R211 0.059Ω W

C212 3.3pF W

R214 1.8K W

C213 3.3pF W

R216 4.7μF W

C214 4.7μF W

R218 47Ω W

R220 5.5K W

C219 3.3pF W

R222 0.059Ω W

C220 3.3pF W

R224 1.8K W

C221 3.3pF W

R226 4.7μF W

C227 3.3pF W

R228 1.8K W

C229 3.3pF W

R230 56Ω W

C231 3.3pF W

R232 1.8K W

C233 3.3pF W

R234 1.8K W

C235 3.3pF W

R236 1.8K W

C237 3.3pF W

R238 1.8K W

C239 3.3pF W

R240 1.8K W

C241 3.3pF W

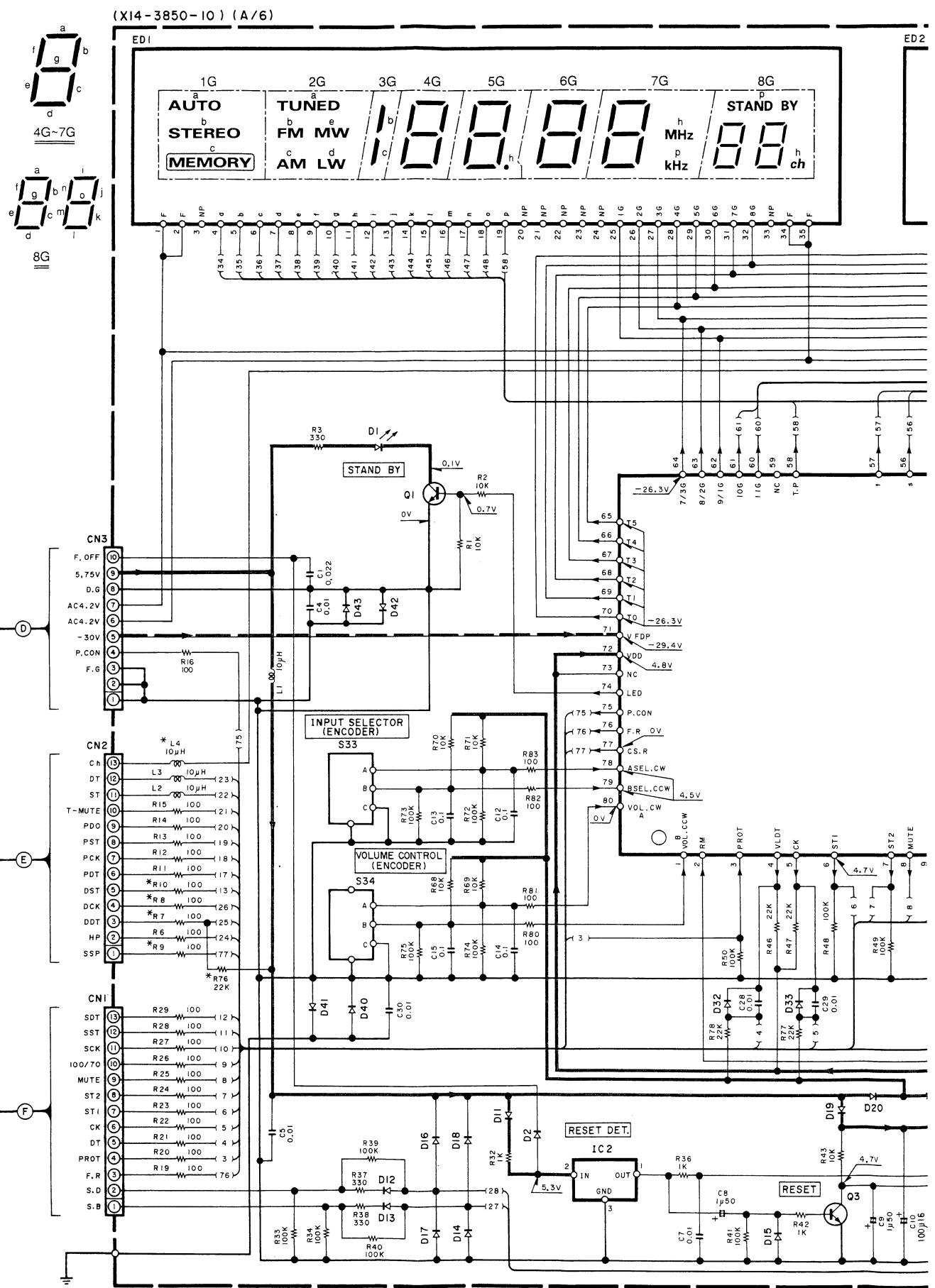
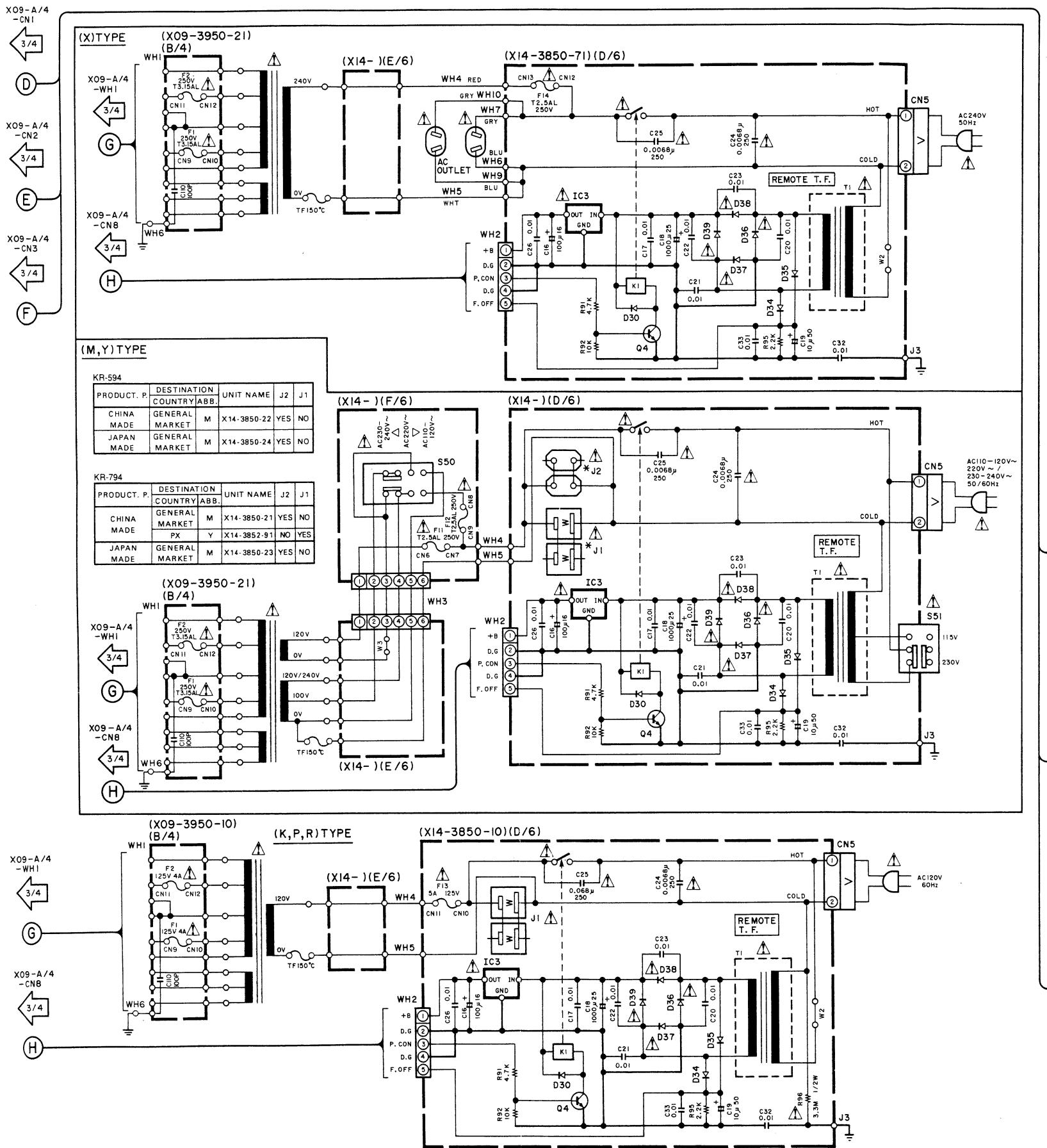
R242 1.8K W

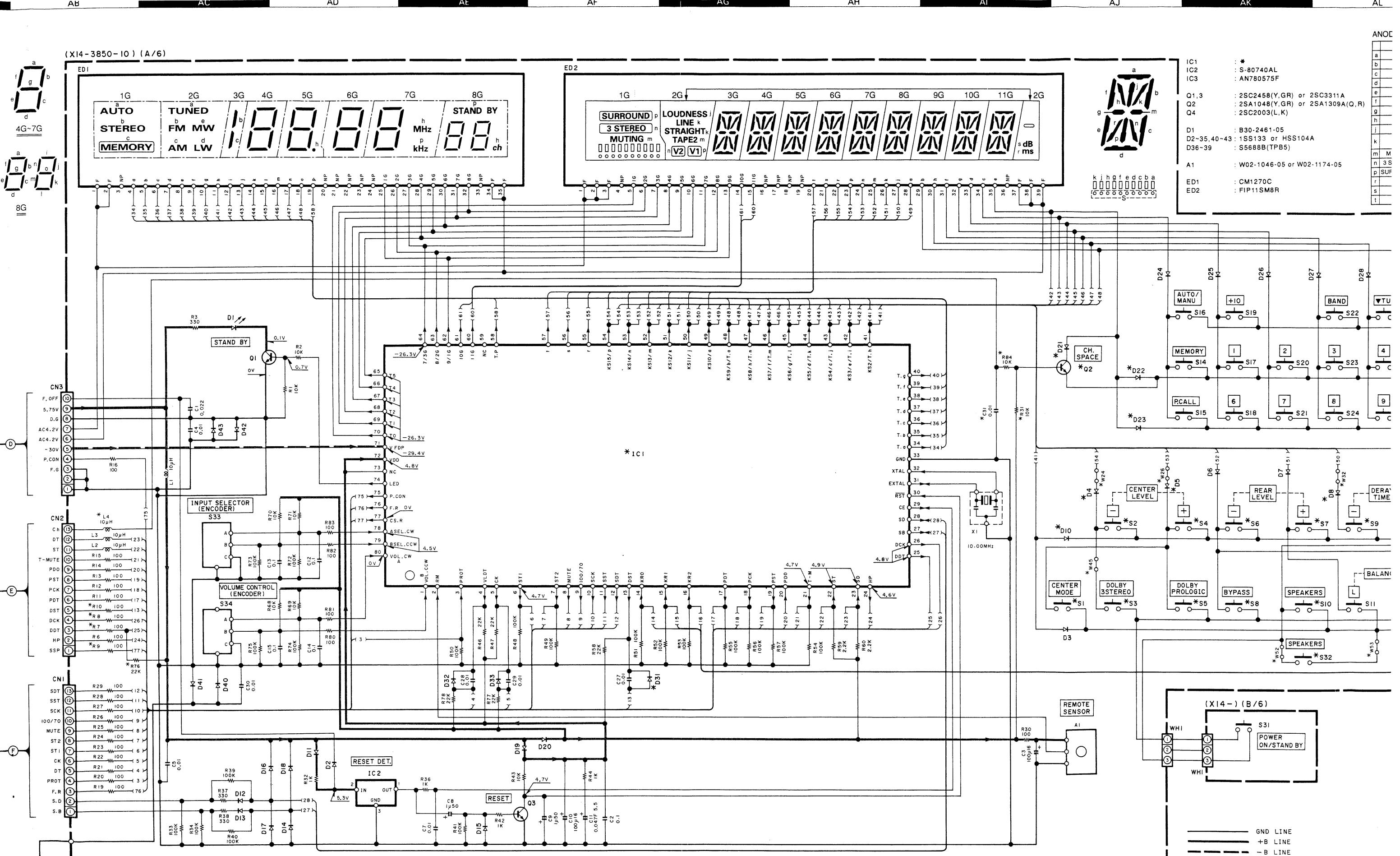
C243 3.3pF W

R244 1.8K W

C245 3.3pF W

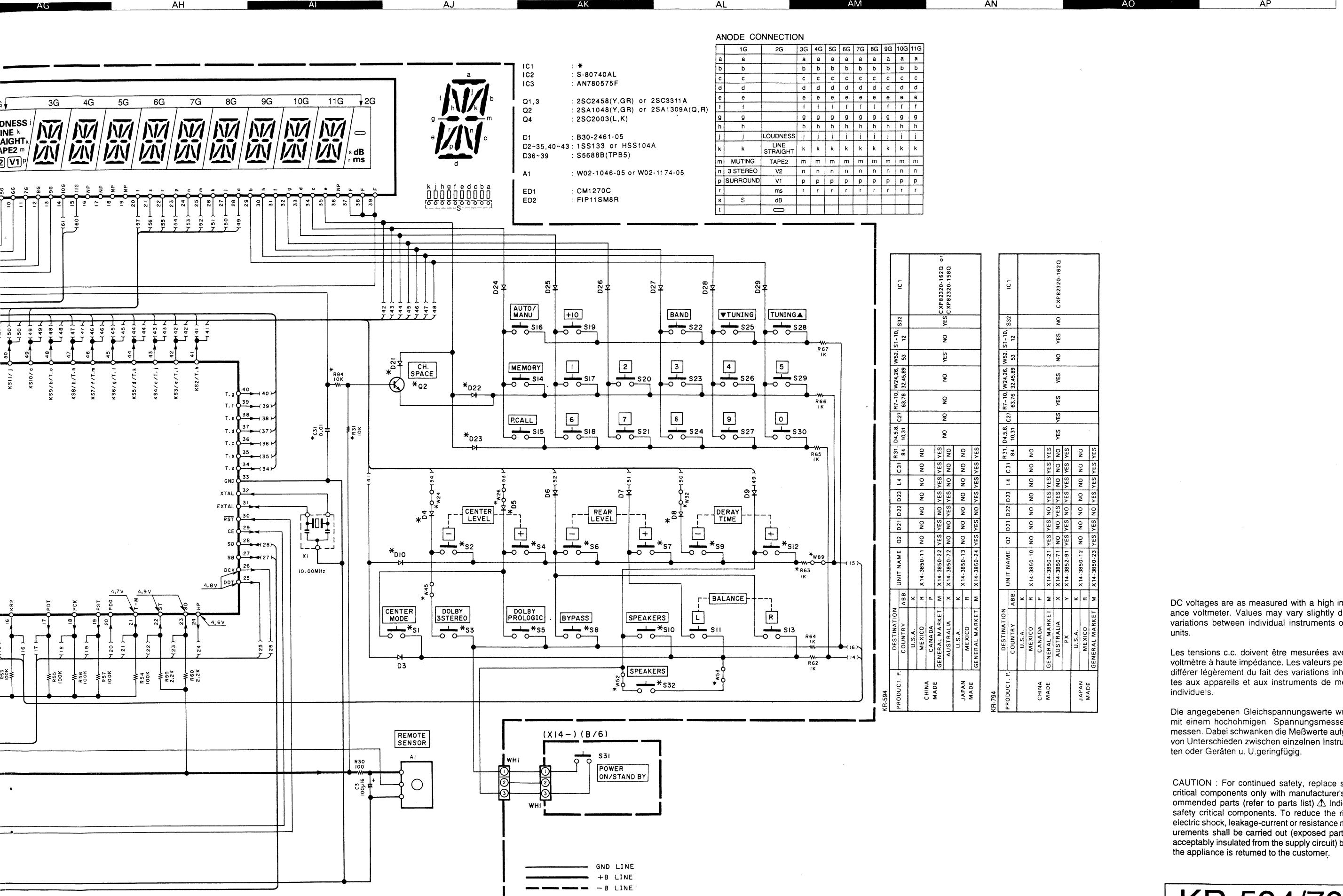
R246 1.8K W





ANOC  
a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

IC1 \*  
IC2 : 2SC2458(Y,GR) or 2SC3311A  
IC3 : 2SA1048(Y,GR) or 2SA1309A(O,R)  
  
Q1,3 : 2SC2003(L,K)  
Q2 : 2SA1048(Y,GR) or 2SA1309A(O,R)  
Q4 : 2SC2003(L,K)  
  
D1 : B30-2461-05  
D2-35,40-43 : ISS133 or HSS104A  
D36-39 : S5688B(TPB5)  
  
A1 : W02-1046-05 or W02-1174-05  
ED1 : CM1270C  
ED2 : FIP11SM8R



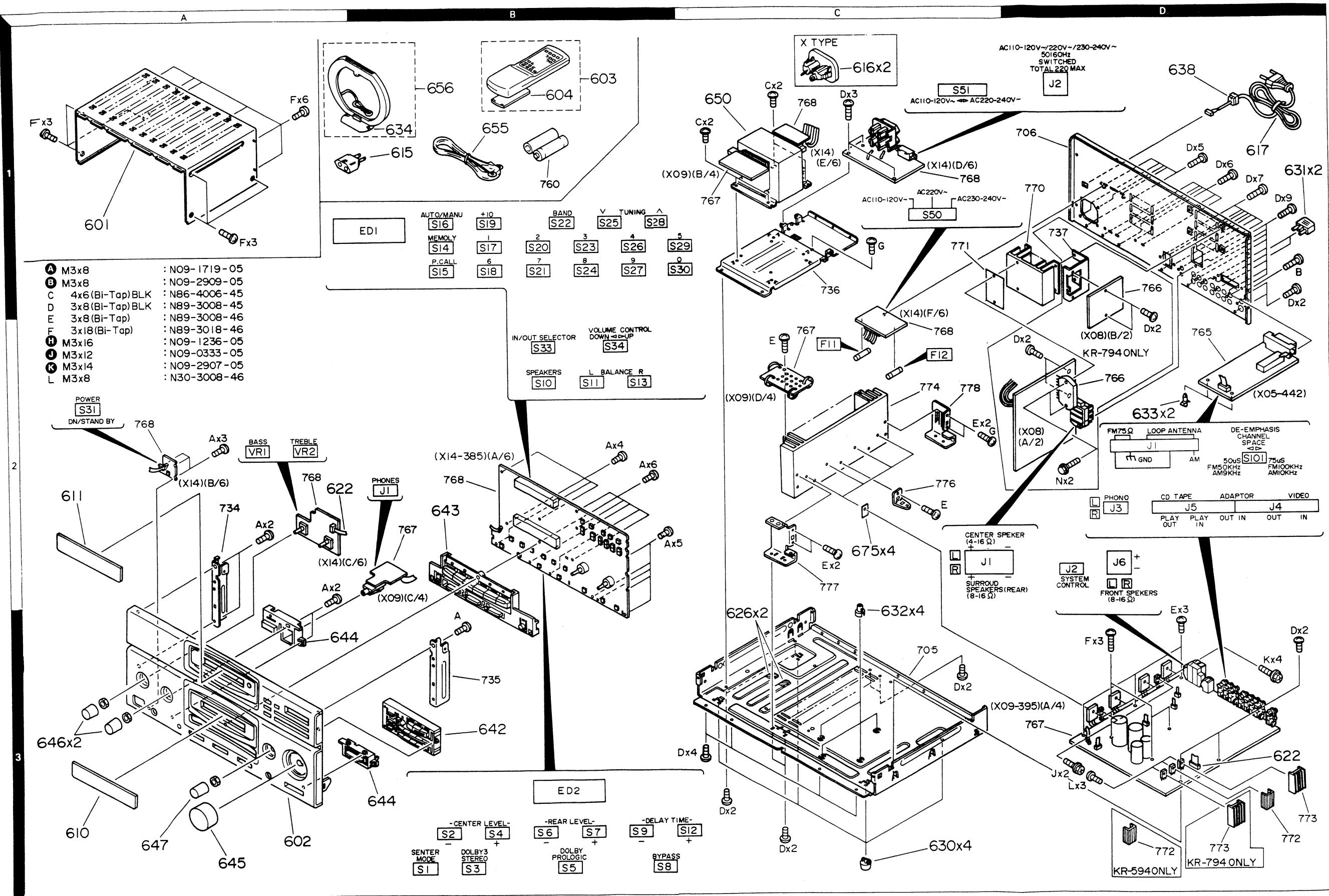
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

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**KR-594/794      KR-594/794**  
**EXPLODED VIEW (UNIT)**



**Parts with the exploded numbers larger than 700 are not supplied.**

\* New Parts  
Parts without Parts No. are not supplied.  
Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefert.

Tous les articles non mentionnés dans le Parts No. ne sont pas fournis.

No.1

KR-594									
Ref. No.	Address	New Parts	Parts No.	部品番号	Description	部品名／規格	Desti-nation	Re-marks	備考
<b>L:Scandinavia Y:PAF(East, Hawaii) Y:AAFE(Europe)</b>									
601	1A	*	A01-3107-11	METALLIC CABINET	PANEL	X			
602	3A	*	A01-0545-01	REMOTE CONTROLLER ASSY					
603	1B	*	A70-0975-05	BATTERY COVER					
604	1B	*	A09-0170-08	DRESSING PLATE					
610	3A	*	B03-2894-13	DRESSING PLATE					
611	2A	*	B03-2895-13	WARRANTY CARD					
-	-	*	B46-0096-43	WARRANTY CARD					
-	-	*	B46-0121-33	WARRANTY CARD					
-	-	*	B48-0964-03	CAUTION CARD					
-	-	*	B58-0966-03	CAUTION CARD					
-	-	*	B58-0970-03	INSTRUCTION MANUAL (ENGLISH)					
-	-	*	B60-1518-00	INSTRUCTION MANUAL (FRENCH)					
-	-	*	B60-1519-00	INSTRUCTION MANUAL (CHINESE)					
-	-	*	B60-1520-00	INSTRUCTION MANUAL (SPANISH)					
-	-	*	B60-1521-00	KPXR					
-	-	*	E03-0115-05	AC PLUG ADAPTER					
△ 615	1B	*	E03-0141-05	AC OUTLET					
△ 616	1C	*	E30-0592-15	AC POWER CORD					
△ 617	1D	*	E30-0650-05	AC POWER CORD					
△ 617	1D	*	E30-2217-05	AC POWER CORD					
622	2A, 3D	*	E35-0765-05	FLAT CABLE					
626	3C	*	G11-2186-04	CUSHION					
-	-	*	H10-5698-02	POLYSTYRENE FOAMED FIXTURE					
-	-	*	H10-5699-02	POLYSTYRENE FOAMED FIXTURE					
-	-	*	H10-5726-02	POLYSTYRENE FOAMED FIXTURE					
-	-	*	H10-5727-02	CARTON BOARD					
-	-	*	H13-0153-04	PROTECTION BAG (235X350X0.03)					
-	-	*	H25-0232-04	ITEM CARTON CASE					
-	-	*	H25-0232-04	ITEM CARTON CASE					
-	-	*	H58-0968-04	ITEM CARTON CASE					
-	-	*	H58-0969-04	ITEM CARTON CASE					
-	-	*	H58-0989-04	POWER TRANSFORMER					
630	3C	*	J02-0366-15	FOOT PIN					
631	1D	*	J12-0091-15	UNIT HOLDER					
632	3C	*	J19-3609-04	UNIT HOLDER					
632	2D	*	J19-3657-14	UNIT HOLDER					
633	2D	*	J19-3642-05	UNIT HOLDER					
△ 634	1B	*	J19-3645-05	ANTENNA HOLDER(LOOP ANTENNA)					
638	1D	*	J42-0083-05	POWER CORD BUSHING					
642	3B	*	K29-5855-02	WIRE BAND					
643	2B	*	K29-5862-02	KNOB(BAND/TUNING/10 KEY)					
644	3A	*	K29-5863-13	KNOB(SPEAKERS)					
645	3A	*	K29-5864-04	KNOB(VOLUME/CONTROL)					
646	3A	*	K29-5865-04	KNOB(BASS/TREBLE)					
647	3A	*	K29-5866-04	KNOB(INPUT SELECTOR)					
650	1C	*	L07-0883-15	POWER TRANSFORMER					
650	1C	*	L07-0884-05	POWER TRANSFORMER					

L:Scandinavia  
Y:PAF(East, Hawaii)  
Y:AAFE(Europe)

R:Canada  
EEurope  
MCOther Areas

H:China made  
J: Japan made

5: KR-594  
7: KR-794

△ indicates safety critical components.

\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefert.

\* New Parts

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No.2

Ref. No.	Address	New Parts	Parts No.	Description	部品名／規格	Desti-nation	Re-marks	備考
△ 650	1C	*	L07-0885-05	POWER TRANSFORMER		X		
△ 650	1C	*	L07-0870-05	POWER TRANSFORMER		P		
655	1B	*	T90-0182-15	LEAD WIRE ANTENNA				
656	1B	*	T90-0195-05	LEAD WIRE ANTENNA				
<b>KR-794</b>								
601	1A	*	A01-3107-11	METALLIC CABINET	PANEL	X		
602	3A	*	A60-0544-11	REMOTE CONTROLLER ASSY		P		
603	1B	*	A70-0974-05	BATTERY COVER				
604	1B	*	A09-0170-08	DRESSING PLATE				
610	3A	*	B03-2894-13	DRESSING PLATE				
611	2A	*	B03-2895-13	WARRANTY CARD				
-	-	*	B46-0094-03	WARRANTY CARD				
-	-	*	B46-0095-03	WARRANTY CARD				
-	-	*	B46-0096-43	WARRANTY CARD				
-	-	*	B46-0121-33	WARRANTY CARD				
-	-	*	B58-0913-04	CAUTION CARD (PRESET20-240)				
-	-	*	B58-0964-03	CAUTION CARD				
-	-	*	B58-0965-03	CAUTION CARD				
-	-	*	B58-0966-03	CAUTION CARD				
-	-	*	B58-0970-03	INSTRUCTION MANUAL (ENGLISH)				
-	-	*	B60-0518-00	INSTRUCTION MANUAL (FRENCH)				
-	-	*	B60-0519-00	INSTRUCTION MANUAL (CHINESE)				
-	-	*	B60-1520-00	KPXR				
-	-	*	B60-1521-00	INSTRUCTION MANUAL (SPANISH)				
-	-	*	E03-0115-05	AC PLUG ADAPTER				
△ 615	1B	*	E03-0141-05	AC OUTLET				
616	1C	*	E30-0592-15	AC POWER CORD				
617	1D	*	E30-2250-05	AC POWER CORD				
617	1D	*	E30-2251-05	AC POWER CORD				
622	2A, 3D	*	E35-0765-05	FLAT CABLE				
626	3C	*	G11-2186-04	CUSHION				
-	-	*	H10-5698-02	POLYSTYRENE FOAMED FIXTURE				
-	-	*	H10-5699-02	POLYSTYRENE FOAMED FIXTURE				
-	-	*	H10-5726-02	POLYSTYRENE FOAMED FIXTURE				
-	-	*	H10-5727-02	CARTON BOARD				
-	-	*	H13-0153-04	PROTECTION BAG (235X350X0.03)				
-	-	*	H55-0917-04	ITEM CARTON CASE				
-	-	*	H56-0966-04	ITEM CARTON CASE				
-	-	*	H56-0967-04	ITEM CARTON CASE				
-	-	*	H59-0988-04	ITEM CARTON CASE				
-	-	*	J02-0366-15	FOOT PIN				
-	-	*	H55-0923-04	POLYSTYRENE FOAMED FIXTURE				
-	-	*	H55-0924-04	POLYSTYRENE FOAMED FIXTURE				
-	-	*	H55-0925-04	POLYSTYRENE FOAMED FIXTURE				
-	-	*	H55-0926-04	POLYSTYRENE FOAMED FIXTURE				
-	-	*	H55-0927-04	CARTON BOARD				
-	-	*	H55-092					

KR-594/794

# PARTS LIST

No.5

\* New Parts  
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No.4

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Ref. No.	Address	New Parts 参照番号	位 置	Parts No.	Description	Desti- nation 仕	Re- marks 向 備考
				部品番号	部品名 / 規格		
J2	2D	*		F10-0920-14	SHIELDING PLATE		
-		*		H13-0150-04	CARTON BOARD	H	
-		*		H13-0151-04	CARTON BOARD	H	
-		*		H25-1520-04	PROTECTION BAG	H	
-		*		H50-1044-04	ITEM CARTON CASE	H	
CF1 ,2				L72-0531-05	CERAMIC FILTER		
CF3				L72-0574-05	CERAMIC FILTER		
L7				L30-0467-05	AM IFT		
L10				L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L11				L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
L12				L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L103				L39-1309-05	COMBINATION COIL	H	
L106				L39-1328-05	COMBINATION COIL	J	
X1				L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
				L77-1122-05	CRYSTAL RESONATOR(.7.2MHZ)		
X2				L78-0295-05	RESONATOR (456KHZ)		
R11				RS14KB3A820J	FL-PROOF RS 82	J 1W	
R31				RS14KB3D221J	FL-PROOF RS 220	J 2W	
R42				RD14NB2E101J	RD 100	J 1/4W	
R111				RD14NB2E470J	RD 47	J 1/4W	
R127,128				RD14NB2E101J	RD 100	J 1/4W	
W46				R92-0670-05	CHIP R 0 ΩHM		
W48				R92-0670-05	CHIP R 0 ΩHM		
S101	2D			S62-0034-05	SLIDE SWITCH	YM	
D3				HZ5.1N(B2)	ZENER DIODE		
D3				RD5.1ES(B2)	ZENER DIODE		
D4				HZ5.3N(B2)	ZENER DIODE		
D4				RD3.3ES(B2)	ZENER DIODE		
D7				MA110	DIODE		
D8				HSS104	DIODE		
D8				ISS133	DIODE		
D11				HZ8.2N(B2)	ZENER DIODE		
D11				RD8.2ES(B2)	ZENER DIODE		
D111,112				MA110	DIODE		
IC1				LA1831-KEN	ANALOG IC		
IC2				LC7218	IC(PLL SYNTHESIZER)		
IC12				NJM4565D	IC(OP AMP X2)		
Q1				2SC2714(R,θ)	TRANSISTOR		
Q2				2SC1845(F,E)	TRANSISTOR		
Q3				2SC1740S(Q,R)	TRANSISTOR	H	
Q3				2SC2458(Y,GR)	TRANSISTOR	J	
Q3				2SC2785(F,E)	TRANSISTOR	H	
Q3				2SC3311A(Q,R)	TRANSISTOR	J	
Q7				2SC2412K	TRANSISTOR		
Q11				2SD863(E,F)	TRANSISTOR		
Q102				2SA1037K	TRANSISTOR		
Q104				2SA1037K	TRANSISTOR		
Q107,108				2SC2412K	TRANSISTOR		
Q109,110				2SC2412K	TRANSISTOR		
Q111				2SA1037K	TRANSISTOR	YM	
DT1				W02-1167-05	FM FRONT-END ASSY		

L:Scandinavia  
Y:PX(Far East, Hawaii)  
Y:AAFES(Europe)

K:USA  
T:England  
X:Australia

P:Canada  
E:Europe  
M:Other Areas

R:Mexico  
G:Germany

H:China made  
J: Japan made

5: kR-594  
7: KR-794

▲ indicates safety critical components.

Ref. No.	Address	New Parts 参照番号	位 置	Parts No.	Description	Desti- nation 仕	Re- marks 向 備考
				部品番号	部品名 / 規格		
<b>SURROUND UNIT(X08-2630-XX)</b>							
C1 ,2				CE04KW1H010M	ELECTRO 1.0UF	50WV	
C3 ,4				CE04KW1V100M	ELECTRO 10UF	35WV	
C5 ,8				CF92FV1H104J	MF 0.10UF	J	
C102				CF92FV1H394J	MF 0.39UF	J	
C104-106				CE04KW1H010M	ELECTRO 1.0UF	50WV	
C107-114				CE04KW1V4R7M	ELECTRO 4.7UF	35WV	
C116				CE04KW1V4R7M	ELECTRO 4.7UF	35WV	
C117,118				CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C119,120				CK45FB1H471K	CERAMIC 470PF	K	
C121				CK45PB1H222K	CERAMIC 2200PF	K	
C122				CC45FSL1H101J	CERAMIC 100PF	J	
C123,124				CE04KW1A101M	ELECTRO 100UF	10WV	
C125-128				CF92FV1H104J	MF 0.10UF	J	
C129,130				CF92FV1H472J	MF 4700PF	J	
C131,132				CC45FSL1H100D	CERAMIC 10PF	D	
C151				CF92FV1H223J	MF 0.022UF	J	
C152				CF92FV1H473J	MYLAR 0.047UF	J	
C153-156				CE04KW1V100M	ELECTRO 10UF	35WV	
C157				CE04KW1H4R7M	ELECTRO 0.47UF	50WV	
C158				CE04KW1V4R7M	ELECTRO 4.7UF	35WV	
C159				CE04KW1HR47M	ELECTRO 0.47UF	50WV	
C160				CE04KW1V4R7M	ELECTRO 4.7UF	35WV	
C161				CF92FV1H154J	MF 0.15UF	J	
C162				CE04KW1H3R3M	ELECTRO 3.3UF	50WV	
C163,164				CF92FV1H154J	MF 0.15UF	J	
C165				CE04KW1H3R3M	ELECTRO 3.3UF	50WV	
C166				CF92FV1H154J	MF 0.15UF	J	
C167				CE04KW1V4R7M	ELECTRO 4.7UF	35WV	
C168				CE04KW1HR47M	ELECTRO 0.47UF	50WV	
C169				CE04KW1V4R7M	ELECTRO 4.7UF	35WV	
C170				CE04KW1HR47M	ELECTRO 0.47UF	50WV	
C171				CE04KW1C470M	ELECTRO 47UF	16WV	
C172				CF92FV1H474J	MF 0.47UF	J	
C173				CK45FB1H681K	CERAMIC 680PF	K	
C174				CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C175				CE04KW1V100M	ELECTRO 10UF	35WV	
C176				CF92FV1H105J	MF 1.0UF	J	
C177				CF92FV1H333J	MF 0.033UF	J	
C178				CF92FV1H152J	MF 1500PF	J	
C179				CF92FV1H333J	MF 0.033UF	J	
C201				CE04KW1V100M	ELECTRO 10UF	35WV	
C203				CF92FV1H104J	MF 0.10UF	J	
C204				CE04KW1C101M	ELECTRO 100UF	16WV	
C205,206				CE04KW1E470M	ELECTRO 47UF	25WV	
C207,208				CE04KW1C221M	ELECTRO 220UF	16WV	
C211,212				CE04KW1H331M	ELECTRO 330UF	50WV	
C213,214				CE04KW1C221M	ELECTRO 220UF	16WV	
C215,216				CF92FV1H104J	MF 0.10UF	J	
C251				C91-0757-05	CERAMIC 1000PF	K	
C252,253				C91-0749-05	CERAMIC 220PF	K	
C254				C91-0753-05	CHIP C 470PF	K	
C255				C91-0757-05	CERAMIC 1000PF	K	
C256				C91-0753-05	CHIP C 470PF	K	

L:Scandinavia  
Y:PX(Far East, Hawaii)  
Y:AAFES(Europe)

K:USA  
T:England  
X:Australia

P:Canada  
E:Europe  
M:Other Areas

R:Mexico  
G:Germany

H:China made  
J: Japan made

5: kR-594  
7: KR-794

▲ indicates safety critical components.

## PARTS LIST

No.7

\* New Parts  
Parts without Parts No. are not supplied.  
Les articles non mentionnés dans le Parts No. ne sont pas fournis.  
Teile ohne Parts No. werden nicht geliefert.

No.6

Ref. No.	Address	New Parts 新 部品番号	Parts No.	Description	Desti- nation 仕向	Re- marks 備考
C257, 258		CK45FF1H103Z	CERAMIC	0.010UF Z		
C259		CE04KHWA101M	ELECTRO	100UF 10WV		
C260		CK45FB1H561K	CERAMIC	560PF K		
C261, 262		CK45FB1H102K	CERAMIC	1000PF K		
C301-303		CE04KWHV4R7M	ELECTRO	4.7UF 35WV		
C304		CE04KWHV470M	ELECTRO	47UF 35WV		
J1	2C	E70-0046-05	LOCK TERMINAL BOARD			
L101, 102		L39-0085-05	PHASE COMPENSATION COIL			
X1		L78-0290-05	RESONATOR (8MHZ)			
CP1		R90-0826-05	MULTI-COMP	0.22X2 J 5W		
R131, 132		RS14KB3D100J	FL-PROOF RS	10 J 2W		
R133, 134		RD14NB254R7J	RD	4.7 J 1/4W		
R206, 207		RS14KB3A101J	FL-PROOF RS	100 J 1W		
R265		RS14KB3A181J	FL-PROOF RS	180 J 1W		
R267		RN14BK2C3902F	RN	39.0K F 1/6W		
VR1		R12-1085-05	TRIM POT	2.2K		
K1	*	S76-0036-05	MAGNETIC RELAY			
D201		HZS10N(B)	ZENER DIODE			
D201		RD10BSC(B)	ZENER DIODE			
D251-259		HSS104A	DIODE			
D251-259		ISS131	DIODE			
D301-306		HSS104A	DIODE			
IC1	*	LA2785	IC(DOLBY PRO LOGIC DECODER IC)			
IC2	*	LV1010	DI BI-POLAR IC			
IC3	*	NJM4565L-D	IC(OP AMP X2)			
IC4	*	TC9213P	IC(2CH ELECTRONIC VOLUME)			
IC5		NJM4565L-D	IC(OP AMP X2)			
IC6		TC9215P	IC(ANALOG SWITCH X 6)			
IC7		STK401-051	IC(30W AF POWER AMP)			
IC9, 10		NJM4565L-D	IC(OP AMP X2)			
Q1, 2		2SC2878(B)	TRANSISTOR			
Q101-103		2SC2003(L, K)	TRANSISTOR			
Q104		2SC1845(F, E)	TRANSISTOR			
Q105		2SC2878(B)	TRANSISTOR			
Q201		2SD2012	TRANSISTOR			
Q201		2SD2061(E, F)	TRANSISTOR			

## AUDIO UNIT(X09-3950-XX)

C1, 2		CC45FSL1H221J	CERAMIC	220PF J		
C3, 4		CE04KWHV4R7M	ELECTRO	100UF 10WV		
C5, 6		CF92FV1H103J	MF	0.010UF J		
C7, 8		CF92FV1H332J	MF	3300PF J		
C9, 10		CE04KWHV4R7M	ELECTRO	4.7UF 35WV		
C11, 12		CE04KWHV470M	ELECTRO	47UF 16WV		
C13, 14		C91-0737-05	CERAMIC	47PF J		
C15, 16		CE04KWHV4R7M	ELECTRO	4.7UF 35WV		
C17, 18		CC45FSL1H020C	CERAMIC	2.0PF C		
C19, 20		CE04KWHV4R7M	ELECTRO	4.7UF 35WV		
C21, 22		CK45FF1H103Z	CERAMIC	0.010UF Z		
C23, 24		CE04KWHV410M	ELECTRO	100UF 16WV		
C25, 30		CE04KWHV4R7M	ELECTRO	4.7UF 35WV		
C31, 33		C91-0753-05	CHIP C	470PF K		

Ref. No.	Address	New Parts 新 部品番号	Parts No.	Description	Desti- nation 仕向	Re- marks 備考
C34			CE04HW1H4R7M	NP-ELEC	4.7UF 50WV	
C35, 36			CE04KWHV1C101M	ELECTRO	100UF 16WV	
C37, 38			CE04KWHV4R7M	ELECTRO	4.7UF 35WV	
C40			CE04KWHV2A470M	ELECTRO	47UF 100WV	
C41, 42			CF92FV1H202J	MF	0.082UF J	
C43, 46			CC45FSL1H101J	CERAMIC	100PF J	
C47, 48			CE04KWHV1A471M	ELECTRO	470UF 10WV	
C49, 52			CC45FSL1H100D	CERAMIC	10PF D	
C53, 54			CC45FSL1H470J	CERAMIC	47PF J	
C55, 56			CC45FSL1H221J	CERAMIC	220PF J	
C57, 58			CE04KWHV1H010M	ELECTRO	1.0UF 50WV	
C59, 60			CK45FB1H103Z	CERAMIC	0.010UF Z	
C61			CK45FB1H471K	CERAMIC	470PF K	
C62, 63			C91-0753-05	CHIP C	470PF K	
C64			CE04KWHV1C470M	ELECTRO	47UF 16WV	
C65, 66			CF92FV1H392J	MF	3900PF J	
C67, 70			CF92FV1H104J	MF	0.10UF J	
C71, 72			CF92FV1H752J	MF	7500PF J	
C73			CK45FF1H103Z	CERAMIC	0.010UF Z	
C74			CK45FB1H102K	CERAMIC	1000PF K	
C75			CE04KWHV1A221M	ELECTRO	220UF 10WV	
C76			CE04KWHV2A470M	ELECTRO	47UF 100WV	
C77	*		CK45FB1H102K	CERAMIC	1000PF K	
C78	*		CE04KWHV2A331M	ELECTRO	330UF 100WV	
C79, 80	*		CE04KWHV1V220M	ELECTRO	220UF 35WV	
C81, 84			CK45FE2H103P	CERAMIC	0.010UF P	KPR YMX
C81, 84			MP	0.22UF	250WV	KPR YMX
C85, 86	*		C90-3536-05	ELECTRO	6800UF 71WV	KPR YMX
C87, 90	*		CK45FE2H103P	CERAMIC	0.010UF P	KPR YMX
C87, 90	*		MP	0.22UF	250WV	KPR YMX
C91, 92			CE04KWHV1V102M	ELECTRO	1000UF 35WV	
C91, 92			CE04KWHV1V332M	ELECTRO	3300UF 35WV	
C93, 94			CF92FV1H104J	MF	0.10UF J	
C95			CE04KWHV1C100M	ELECTRO	10UF 16WV	
C96			CF92FV1H104J	MF	0.10UF J	
C97			CE04KWHV1C100M	ELECTRO	10UF 16WV	
C98			CF92FV1H104J	MF	0.10UF J	
C99			CE04KWHV1C100M	ELECTRO	10UF 16WV	
C100, 101			CK45FF1H103Z	CERAMIC	0.010UF Z	
C102, 103			CC45FSL1H221J	CERAMIC	220PF J	
C104			CE04KWHV1A101M	ELECTRO	100UF 10WV	
C105			CE04KWHV2A4R7M	ELECTRO	4.7UF 100WV	
C106			CK45FF1H103Z	CERAMIC	0.010UF Z	
C110			CK45FF1H103Z	CERAMIC	0.010UF Z	
J1	2B		E11-0207-05	PHONE JACK (3P)		
J2	2D		E11-0188-05	MINIATURE PHONE JACK(2P)		
J3	2D		E63-0068-15	PHONE JACK		
J4	2D		E63-0047-15	PHONE JACK		
J5	2D		E63-0070-15	PHONE JACK		
J6	2D	*	E70-0045-05	LOCK TERMINAL BOARD		
675	2C		F20-1284-05	INSULATING BOARD		
F1, 2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	YMX	7
F1, 2			F05-4028-05	FUSE (UL) (125V 4A)	KPR	7
F1, 2			F06-1022-05	FUSE (SEMKO) (250V T1AL)	MX	5

I: China made 5: KR-594  
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany J: Japan made 7: KR-794  
Y:AAFES(Europe) X:Australia M:Other Areas

U: Canada R: Canada H: Mexico I: China made 5: KR-594  
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany J: Japan made 7: KR-794  
Y:AAFES(Europe) X:Australia M:Other Areas

⚠ indicates safety critical components.

⚠ indicates safety critical components.

## \* New Parts

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Teile ohne Parts No. werden nicht geliefert.

No.8

Ref. No. 参照番号	Address 位 置	New Parts 新 品	Parts No. 部品番号	Description 部品名 / 規 格	Desti- nation 仕 向	Re- marks 備考
F1 , 2			F06-1222-05	FUSE (UL) (250V 1.25A)	KPR	5
CN9 -12			J13-0075-05	FUSE CLIP		
L1 , 2			L39-0085-05	PHASE COMPENSATION COIL		
CP1 , 2			R90-0826-05	MULTI-COMP 0.22X2	J 5W	
R17 , 18			RD14NB2E4R7J	RD 4.7	J 1/4W	
R51 , 52			RD14NB2E4R7J	RD 4.7	J 1/4W	
R83 , 84			RD14NB2E221J	RD 220	J 1/4W	
R89 , 90			RD14NB2E271J	RD 270	J 1/4W	
R91 , 92			RD14NB2E221J	RD 220	J 1/4W	
R99 -102			RD14NB2E220J	RD 22	J 1/4W	
R107, 108			RS14KB3D4R7J	FL-PROOF RS 4.7	J 2W	
R109, 110			RD14NB2E4R7J	RD 4.7	J 1/4W	
R119			RS14KB3D470J	FL-PROOF RS 47	J 2W	
R120			RS14KB3D101J	FL-PROOF RS 100	J 2W	
R126			RS14KB3A820J	FL-PROOF RS 82	J 1W	
R129, 130			RS14KB3D561J	FL-PROOF RS 560	J 2W	
R131			RS14KB3D222J	FL-PROOF RS 2.2K	J 2W	
R135			RS14KB3A472J	FL-PROOF RS 4.7K	J 1W	
R136-138			RS14KB3D681J	FL-PROOF RS 680	J 2W	
R139			RS14KB3D122J	FL-PROOF RS 1.2K	J 2W	5
R139-141			RS14KB3D821J	FL-PROOF RS 820	J 2W	7
R141			RS14KB3D122J	FL-PROOF RS 1.2K	J 2W	5
R144			RD14NB2E2R2J	RD 2.2	J 1/4W	
R150			RD14NB2E2R2J	RD 2.2	J 1/4W	
R153			RS14KB3D122J	FL-PROOF RS 1.2K	J 2W	
R155			RS14KB3D122J	FL-PROOF RS 1.2K	J 2W	
R156			RS14KB3A820J	FL-PROOF RS 82	J 1W	
R160			RD14NB2E4R7J	RD 4.7	J 1/4W	
R185			RD14GB2B1R0J	FL-PROOF RD 1.0	J 1/4W	
VR1 , 2	2A		R12-1616-05	TRIMMING POT.(1K)	KPR	
K1			S51-2078-05	MAGNETIC RELAY		
K2			S76-0005-05	MAGNETIC RELAY		
D1 -8			HSS104A	DIODE		
D1 -8			ISS131	DIODE		
D11 -22			HSS104A	DIODE		
D11 -22			ISS131	DIODE		
D25			D5SBA20F03	DIODE		
D25			RBV-602LFA	DIODE		
D26			D3SBA20F03	DIODE	5	
D26			D5SBA20F03	DIODE	7	
D26			RBV-402LFA	DIODE	5	
D26			RBV-602LFA	DIODE	7	
D27			S5688B	DIODE		
D27			1SR139-100	DIODE		
D28 , 29			HZS16N(B)	ZENER DIODE		
D28 , 29			RD15ES(B)	ZENER DIODE		
D30			HZS6.2N(B2)	ZENER DIODE		
D30			RD6.2BS(B2)	ZENER DIODE		
D31 , 32			HZS16N(B2)	ZENER DIODE		
D31 , 32			RD16ES(B2)	ZENER DIODE		
D33			HZS5.6N(B2)	ZENER DIODE		
D33			RD5.6ES(B2)	ZENER DIODE		

L:Scandinavia K:USA P:Canada R:Mexico H:China made 5: KR-594

Y:PX(Far East, Hawaii)

Y:AAFES(Europe)

T:England

T:Australia

E:Europe

E:Other Areas

G:Germany

G:Other Areas

J: Japan made 7: KR -794

J: Japan made 7: KR -794

## \* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

No.9

Ref. No. 参照番号	Address 位 置	New Parts 新 品	Parts No. 部品番号	Description 部品名 / 規 格	Desti- nation 仕 向	Re- marks 備考
D34 , 35			HSS104A	DIODE		
D34 , 35			ISS131	DIODE		
D36			HZS4.2N(B2)	ZENER DIODE		
D36			RD4.7BS(B2)	ZENER DIODE		
D39 -42			HSS104A	DIODE		
D39 -42			ISS131	DIODE		
D43 -46	*		HZS22N(B2)	ZENER DIODE		
D43 -46	*		RD22BS(B2)	ZENER DIODE		
D47 -50	*		HZS24N(B2)	ZENER DIODE		
D47 -50	*		RD24ES(B2)	ZENER DIODE		
D51 -54			HZS18N(B2)	ZENER DIODE		7
D51 -54			RD18ES(B2)	ZENER DIODE		7
D55 -58	*		HZS20N(B2)	ZENER DIODE		7
D55 -58	*		RD20ES(B2)	ZENER DIODE		7
D60 -64			HSS104A	DIODE		
D60 -64			ISS131	DIODE		
IC1			NJM4565D-D	IC(QP AMP X2)		
IC1			XRA15218-DX	IC(QP AMP X2)		
IC2			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC3			NJM4565D-D	IC(QP AMP X2)		
IC3			XRA15218-DX	IC(QP AMP X2)		
IC4			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC5			NJM4565D-D	IC(QP AMP X2)		
IC5			XRA15218-DX	IC(QP AMP X2)		
IC6			NJM4580D-D	IC(QP AMP X2)		
IC7			TA7812S	IC(VOLTAGE REGULATOR/ +12V)		
IC7			UPC7812AHF	IC(VOLTAGE REGULATOR/ +12V)		
Q1 , 2			2SC2878(B)	TRANSISTOR		
Q3			2SA1048(Y,GR)	TRANSISTOR		
Q3			2SA1309A(Q,R)	TRANSISTOR		
Q5 -8			2SA992(F,E)	TRANSISTOR		
Q9 -12			2SC2632(R,S)	TRANSISTOR		
Q13 , 14			2SA1123(R,S)	TRANSISTOR		
Q15 , 16			2SC4137P19(V,W)	TRANSISTOR		
Q17 , 18			2SD2222BT	TRANSISTOR		
Q19 , 20			2SB1470BT	TRANSISTOR		
Q21 , 22			2SC2631(R,S)	TRANSISTOR		
Q23 , 24			2SC2003(L,K)	TRANSISTOR		
Q25			2SA1123(R,S)	TRANSISTOR		
Q26			2SB1370	TRANSISTOR		
Q26			2SB1375	TRANSISTOR		
Q27			2SD2012	TRANSISTOR		
Q27			2SD2061	TRANSISTOR		
Q28			2SB1370	TRANSISTOR		
Q28			2SB1375	TRANSISTOR		
Q29 , 30			2SC1845(F,E)	TRANSISTOR		7
Q31 , 32			2SA992(F,E)	TRANSISTOR		7
Q33			2SC2458(Y,GR)	TRANSISTOR		7
Q33			2SC3311A(Q,R)	TRANSISTOR		7
Q34			2SA1048(Y,GR)	TRANSISTOR		7
Q34			2SA1309A(Q,R)	TRANSISTOR		7
Q35 , 36			2SC2003(L,K)	TRANSISTOR		
Q37 , 38			2SA1048(Y,GR)	TRANSISTOR		
Q37 , 38			2SA1309A(Q,R)	TRANSISTOR		

L:Scandinavia K:USA P:Canada R:Mexico H:China made 5: KR-594

Y:PX(Far East, Hawaii) T:England E:Europe G:Germany J: Japan made 7: KR -794

Y:AAFES(Europe) X:Australia M:Other Areas

△ indicates safety critical components.

## PARTS LIST

KR-594/794

KR-594/794

## PARTS LIST

No.11

\* New Parts  
Parts without Parts No. are not supplied.  
Les articles non mentionnés dans le Parts No. ne sont pas fournis.  
Teile ohne Parts No. werden nicht geliefert.

No.10

Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti- nation 仕	Re- marks 備考
<b>DISPLAY UNIT(X14-385X-XX)</b>						
D1		*	B30-2461-05	LED(RED)		
C1			CK45FF1H223Z	CERAMIC 0.022UF Z		
C2			CF92FV1H104J	MF 0.10UF J		
C3			CE04KWIC101M	ELECTRO 100UF 16WV		
C4 , 5			C91-0769-05	CERAMIC 0.01UF K		
C7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8 , 9			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C10			CE04KWIC101M	ELECTRO 100UF 16WV		
C11			C90-1826-05	BACKUP 0.047F 5.5WV		
C12 - 15			CF92FV1H104J	MF 0.10UF J		
C16			CE04KWIC101M	ELECTRO 100UF 16WV		
C17			CK45FF1H103Z	CERAMIC 0.010UF Z		
C18			CE04KW1E102M	ELECTRO 1000UF 25WV		
C19			CE04KW1H100M	ELECTRO 10UF 50WV		
C20 - 23			CK45FF1H103Z	CERAMIC 0.010UF Z		
C24 , 25			C91-1488-05	MF 6800PF 250VAC		
C26			CK45FF1H103Z	CERAMIC 0.010UF Z		
C27 - 30			C91-0769-05	CERAMIC 0.01UF K		
C31 - 33			CK45FF1H103Z	CERAMIC 0.010UF Z	YM	
C32 , 33			CK45FF1H103Z	CERAMIC 0.010UF Z	KPXR	
C201, 202			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C203, 204			CE04KW1C101M	ELECTRO 100UF 16WV		
C205, 206			CC45FSL1H221J	CERAMIC 220PF J		
C209, 210			CC45FSL1H560J	CERAMIC 56PF J		
C211, 212			CF92FV1H393J	MF 0.039UF J		
C213, 214			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C215, 216			CF92FV1H513J	MF 0.051UF J		
C217, 218			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
J1		*	E03-0148-05	AC OUTLET	KPYR	
J2	1D	*	E03-0149-05	AC OUTLET	M	
F11 , 12	2C		F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	YM	
F13			F04-5022-05	FUSE (UL) (125V 5A UL)	KPR	
F14			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	X	
CN6 - 9			J13-0075-05	FUSE CLIP	Y	
CN10, 11			J13-0075-05	FUSE CLIP	KPR	
CN12, 13			J13-0075-05	FUSE CLIP	X	H
L1 - 3			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L4			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	YM	
T1		*	L07-0864-05	POWER TRANSFORMER	KPR	
T1		*	L07-0865-05	POWER TRANSFORMER	YM	
T1		*	L07-0865-05	POWER TRANSFORMER	X	
X1			L78-0294-05	RESONATOR (10.000M)		
R96		*	R92-1769-05	CARBON 3.3M J 1/2W	KPR	
R221, 222			RD14NB2E100J	RD 10 J 1/4W		
VR1 , 2		*	R10-5078-05	POTENTIOMETER(100K,5B)		
K1			S76-0009-05	MAGNETIC RELAY		
S1 - 10			S40-1064-05	PUSH SWITCH		
S11			S40-1064-05	PUSH SWITCH		
S12			S40-1064-05	PUSH SWITCH		
S13 - 31			S40-1064-05	PUSH SWITCH		7

Y:PX(Far East, Hawaii) T:England E:Europe G:Germany J:Japan made 7: KR-794

Y:AAFES(Europe) X:Australia M:Other Areas

△ indicates safety critical components

Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti- nation 仕	Re- marks 備考
S32			S40-1064-05	PUSH SWITCH		
S50		1C	S31-2322-05	SLIDE SWITCH	YM	
S51		1C	S62-0001-05	SLIDE SWITCH	YM	
S33		*	T99-0547-05	SPEED DETECTOR		5
S34		*	T99-0548-05	SPEED DETECTOR		
D2 , 3			HSS104A	DIODE		
D2 , 3			ISS131	DIODE		
D4 , 5			HSS104A	DIODE		
D4 , 5			ISS131	DIODE		7
D6 , 7			HSS104A	DIODE		
D6 , 7			ISS131	DIODE		7
D8			HSS104A	DIODE		
D8			ISS131	DIODE		7
D9			HSS104A	DIODE		
D9			ISS131	DIODE		
D10			HSS104A	DIODE		
D10			ISS131	DIODE		7
D11 - 20			HSS104A	DIODE		
D11 - 20			ISS131	DIODE		
D21			HSS104A	DIODE		YM
D21			ISS131	DIODE		
D22			HSS104A	DIODE		X
D22			ISS131	DIODE		
D23			HSS104A	DIODE		YMX
D23			ISS131	DIODE		
D24 - 30			HSS104A	DIODE		
D24 - 30			ISS131	DIODE		
D31			HSS104A	DIODE		
D31			ISS131	DIODE		7
D32 - 35			HSS104A	DIODE		
D32 - 35			ISS131	DIODE		
D36 - 39			S5688B(TPB5)	DIODE		
D40 - 43			HSS104A	DIODE		
D40 - 43			ISS131	DIODE		
ED1		1B	CM1270C	INDICATOR TUBE		
ED2		3B	FIP11SM8R	INDICATOR TUBE		
IC1			CXP82320-158Q	MI-COM IC		5
IC1			CXP82320-162Q	MI-COM IC		
IC2			S-80740AL	IC(VOLTAGE DETECTOR)		
IC3			AN78057SF	IC(VOLTAGE REGULATOR/+5.75V)		
IC10			NJM4565D-D	IC(OP AMP X2)		
IC10			XRA1521B-DX	IC(OP AMP X2)		
Q1			2SC2458(Y,GR)	TRANSISTOR		
Q1			2SC3311A(Q,R)	TRANSISTOR		
Q2			2SA1048(Y,GR)	TRANSISTOR		
Q2			2SA1309A(Q,R)	TRANSISTOR		
Q3			2SC2458(Y,GR)	TRANSISTOR		
Q3			2SC3311A(Q,R)	TRANSISTOR		
Q4			2SC2003(L,K)	TRANSISTOR		
Q11 , 12			2SC1845(F,E)	TRANSISTOR		
A1			W02-1046-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		

Li:Scandinavia N:USA P:Canada R:Mexico H:China made 5: KR-594

Y:PX(Far East, Hawaii) T:England E:Europe G:Germany J:Japan made 7: KR-794

Y:AAFES(Europe) X:Australia M:Other Areas

△ indicates safety critical components.

## SPECIFICATIONS

U.S.A., Mexico and Canada

*Audio section*

## Rated power output at the STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20,000 Hz with no more than 0.09% total harmonic distortion. (FTC)

## Power output at the Surround operation (KR-794 only)

Front (1 kHz, 0.9% T.H.D. at 8 Ω) .....	70 W + 70 W
Center (1 kHz, 0.9% T.H.D. at 8 Ω) .....	30 W
Rear (1 kHz, 0.9% T.H.D. at 8 Ω) .....	15 W + 15 W

Total harmonic distortion (40 Hz ~ 20 kHz, 8 Ω) ..... 0.09 % at 100 W

## Signal to noise ratio (IHF A)

PHONO (MM) .....	70 dB
CD, TAPE, VIDEO .....	95 dB

## Input sensitivity/impedance

PHONO (MM) .....	3.5 mV/47 kΩ
CD/TAPE/VIDEO .....	200 mV/47 kΩ

## Tone controls

BASS .....	± 10 dB (at 100 Hz)
TREBBLE .....	± 10 dB (at 10 kHz)

*FM tuner section*

Tuning frequency range ..... 87.5 MHz ~ 108 MHz

Usable sensitivity (IHF) ..... 13.2 dBf (1.2 μV at 75 Ω)

## 50 dB quieting sensitivity

STEREO .....	41.2 dBf (3.2 μV at 75 Ω)
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## Total harmonic distortion at 1 kHz

MONO .....	0.6 %
STEREO .....	0.7 %

## Signal to noise ratio at 65 dBf (IHF)

MONO .....	75 dB
STEREO .....	68 dB

Selectivity (IHF ± 400 kHz) ..... 50 dB

Stereo separation (IHF at 1 kHz) ..... 40 dB

Frequency response ..... 30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

*AM tuner section*

Tuning frequency range ..... 530 kHz ~ 1,700 kHz

Usable sensitivity ..... 12 μV / (500 μV/m)

## Total harmonic distortion ..... 0.7%

Signal to noise ratio ..... 48 dB

Selectivity ..... 30 dB

*General*

Power consumption ..... 2.5 A (KR-794) 2.3 A (KR-594)

## AC outlet

SWITCHED .....	2: (Total 200 W 1.6 A max.)
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Dimensions .....	W: 440 mm (17-5/16") H: 192 mm (7-9/16") D: 300 mm (11-13/16")
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Weight (Net) ..... 10.5 kg (23.1 lb)

Other countries

*Audio section*

## Rated power output at the STEREO operation (KR-794) (EIAJ) from 40 Hz to 20 kHz,

0.09% T.H.D., at 8 Ω .....	100 W + 100 W
(EIAJ) 1 kHz, 10% THD at 8 Ω .....	130 W + 130 W

## Rated power output at the STEREO operation (KR-594) (EIAJ) from 40 Hz to 20 kHz, 0.09% T.H.D. at 8 Ω

..... 100 W + 100 W	
(EIAJ) 1 kHz, 10% T.H.D., at 8 Ω .....	125 W + 125 W

## Power output at the Surround operation (KR-794 only)

Front (1 kHz, 0.9% T.H.D. at 8 Ω) .....	70 W + 70 W
Center (1 kHz, 0.9% T.H.D. at 8 Ω) .....	30 W
Rear (1 kHz, 0.9% T.H.D. at 8 Ω) .....	15 W + 15 W

Total harmonic distortion (40 Hz ~ 20 kHz, 8 Ω) ..... 0.09 % at 100 W

## Signal to noise ratio (IHF'66)

PHONO (MM) .....	70 dB
CD, TAPE, VIDEO .....	95 dB

## Input sensitivity/impedance

PHONO (MM) .....	3.5 mV/47 kΩ
CD/TAPE/VIDEO .....	200 mV/47 kΩ

## Tone controls

BASS .....	± 10 dB (at 100 Hz)
TREBBLE .....	± 10 dB (at 10 kHz)

*FM tuner section*

Tuning frequency range ..... 87.5 MHz ~ 108 MHz

Usable sensitivity (IHF) ..... 13.2 dBf (1.2 μV at 75 Ω)

## 50 dB quieting sensitivity

STEREO .....	41.2 dBf (3.2 μV at 75 Ω)
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## Total harmonic distortion at 1 kHz

MONO .....	0.6 %
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STEREO .....	0.7 %
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## Signal to noise ratio at 65 dBf (IHF)

MONO .....	75 dB
STEREO .....	68 dB

Selectivity (IHF ± 400 kHz) ..... 50 dB

Stereo separation (IHF at 1 kHz) ..... 40 dB

Frequency response ..... 30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

*AM tuner section*

## Tuning frequency range

9 kHz .....	531 kHz ~ 1,602 kHz
10 kHz .....	530 kHz ~ 1,610 kHz

Usable sensitivity ..... 12 μV / (500 μV/m)

## Total harmonic distortion ..... 0.7%

Signal to noise ratio ..... 48 dB

Selectivity ..... 30 dB

*General*

Power consumption ..... 230 W (KR-794) 200 W (KR-594)

## AC outlet

SWITCHED .....	2: (Total 200 W max.) (Except for Australia)
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Dimensions .....	W: 440 mm
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H: 192 mm
-----------

D: 300 mm
-----------

Weight (net) ..... 10.5 kg

*Note:*

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

# KR-594/794

## ACCESSORIES

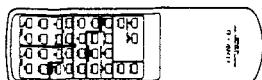
### ACCESSORIES

AM loop antenna a'ssy ..... 1  
(The shape of the loop  
antenna provided may  
differ depending  
on the area.)  
(T90-0195-05)



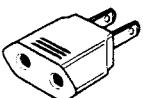
Loop ANT stand : (J19-3645-05)

Remote control unit ..... 1  
A70-0975-05: KR-594  
A70-0974-05: KR-794

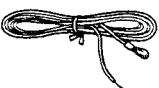


Battery cover : (A09-0170-08)

AC plug adaptor ..... 1  
(Except for some ar-  
eas.)  
For the unit with a Eu-  
ropean AC plug  
in areas other  
than Europe.  
(E30-0115-05)



FM indoor antenna ..... 1  
(T90-0182-15)



Batteries ..... 2



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